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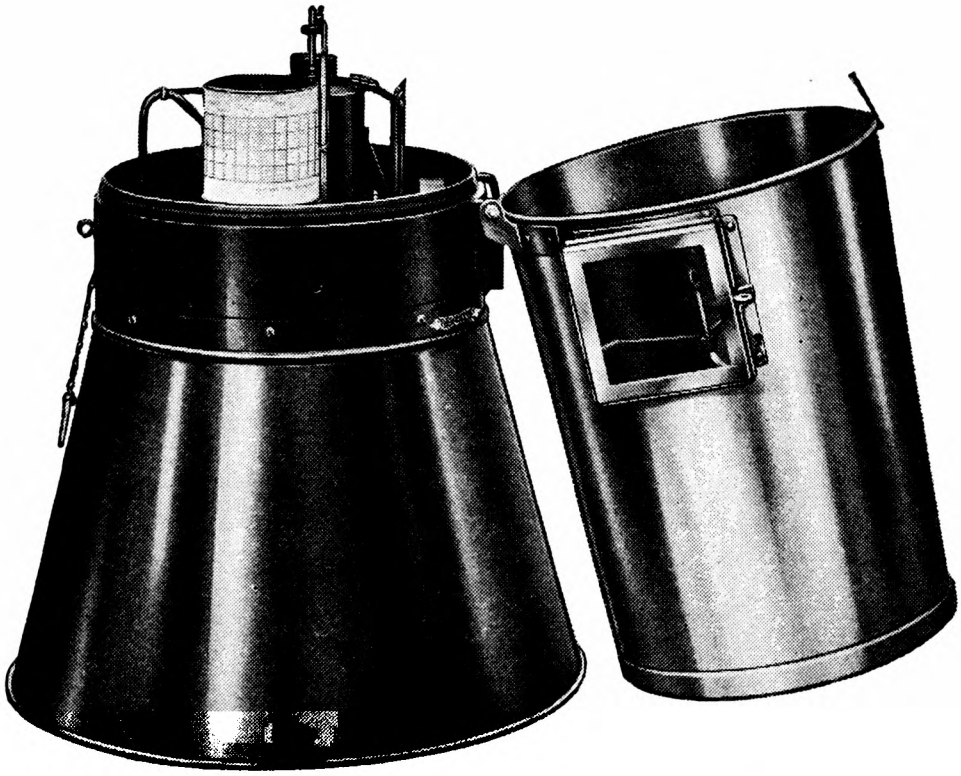

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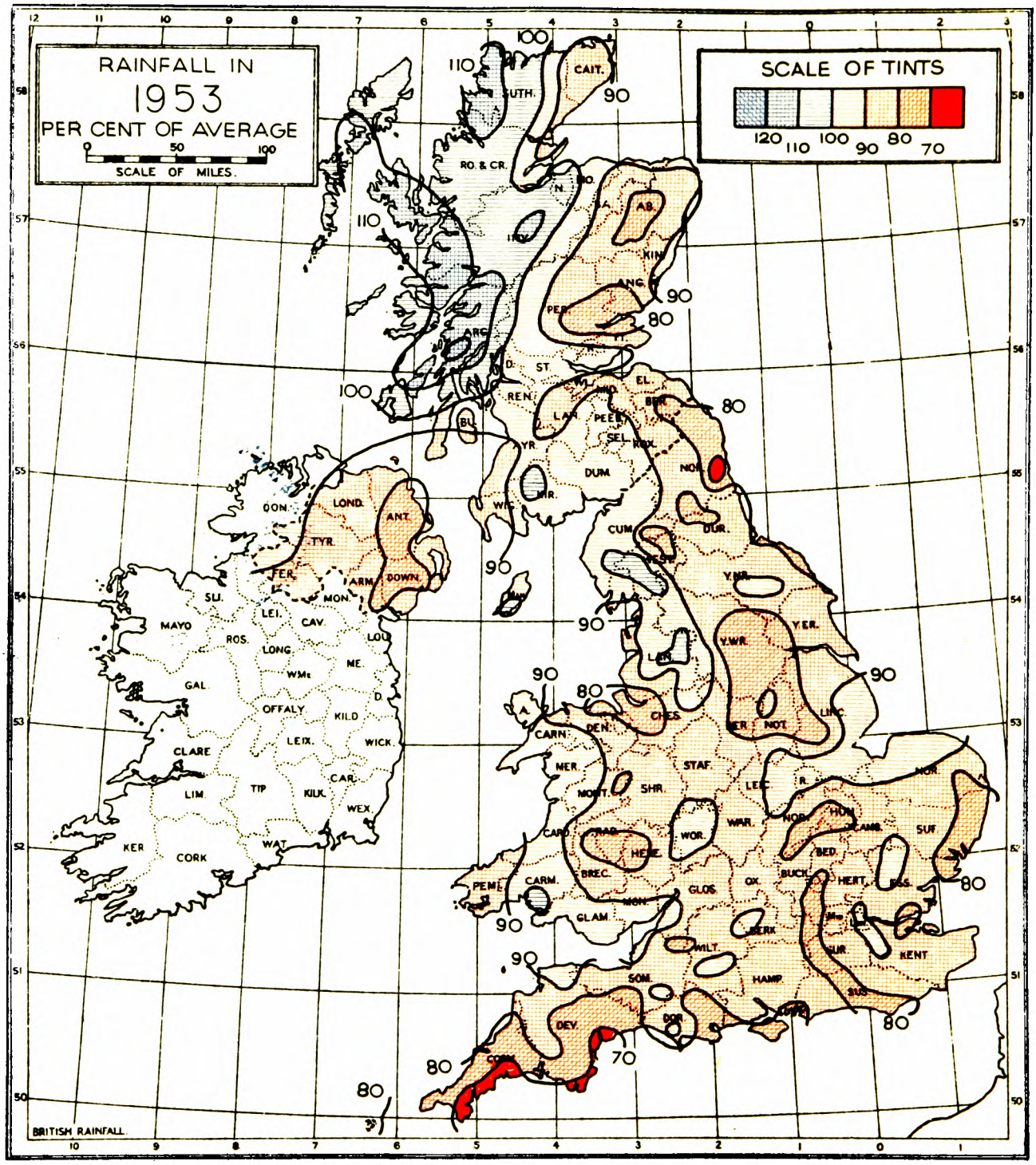

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BRITISH RAINFALL

1953

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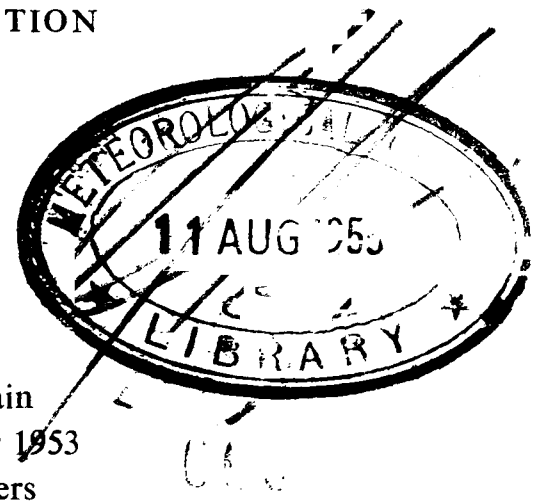
BRITISH RAINFALL ORGANIZATION



Report on the
Distribution of Rain
in space and time over Great Britain
and Northern Ireland during the year 1953
as recorded by about 5,000 observers

WITH MAPS

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1955

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BRITISH RAINFALL 1953

PART I

1 The Work of the British Rainfall Organization

"BRITISH RAINFALL 1953." The present volume is in the same form as that for 1952 and retains the main features of preceding volumes, thus enabling comparison to be made between the rainfall of 1953 and that in earlier years. This comparison is facilitated by continuing to number the principal tables according to their sequence in the various sections. The series of maps showing monthly, seasonal and annual percentages of average has been continued, the annual map appearing as a coloured plate, wherein the scale of tints of blue for more than average and of red for less than average has also been continued.

LOCAL ORGANIZATIONS. Most of the rainfall returns from which this volume has been compiled are sent by the observers direct to the Meteorological Office, but in some regions there are local organizations who have greatly assisted by collecting rainfall returns for forwarding to the Office and by stimulating interest in weather recording. Among the officials of such organizations there should be mentioned Mr. C. W. Boddington of the Northamptonshire Natural History Society; Mr. R. S. Copeman of the Norfolk Rainfall Organization; the Librarian North Devon Athenaeum; Mr. E. L. Kelting of the Somerset River Board; and Mr. D. W. Bogle of the Cornwall Rainfall Association.

Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company, forwarded returns from several stations in Jersey, and Mr. W. N. McCall, Burgh Engineer of Kilmarnock, continued the collection of records in Ayrshire.

The exchange of information with the Director of the Meteorological Service of the Irish Republic was continued and also with Captain W. N. McClean.

THE OBSERVERS. The information on the rainfall in 1953 presented in this volume is based on the collection of about 5,500 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume), the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of *British Rainfall* would not have been possible.

The total number of records printed in Part II of this volume is 5,114. As many as 364 additional records are included, while 290 records printed in *British Rainfall* 1952 have dropped out of the table.

The net gain in England was 24, in Wales 1 and in Scotland 49, a total gain of 74.

Among the additional rainfall records included in this volume the following are of

special interest: that maintained by the Superintending Civil Engineer at the Chatham Royal Naval Hospital; records from two stations near Orford in east Suffolk kept by Sir Peter Greenwell, Bart.; at Rosewarne Experimental Horticultural Station, near Camborne; at Lype Hill, Brendon Hills, by Major R. A. Archer and an additional record maintained by Mr. C. H. Archer at Chains Barrow, Exmoor, which was considered to be a site likely to be wetter than the other Exmoor stations. A rainfall record received from the Pershore Institute of Horticulture in the Vale of Evesham and nineteen new stations in the Tyne Valley, established by Mr. A. G. McLellan, Engineer and General Manager to the Sunderland and South Shields Water Company, are included, also one at Garrigill to the south of Alston, from Mr. W. E. Richardson, and four records from the Nature Conservancy for gauges near Moor House, further south and at altitudes above 1,700 feet; six stations in the Calder Water catchment area from the Renfrew County Engineer; four stations in the Loch Lee district in the mountains of Angus from the County Engineer and a record from Glenshee Lodge at 1,100 feet in the Grampian Mountains north of Blairgowrie contributed by Lt.-Col. C. A. Peel. A record has been received from Sark from Mr. W. J. Roe, the first from this island since 1938. The Forestry Commission, British Electricity Authority and the North of Scotland Hydro-Electric Board contributed a number of additional records in various parts of the country.

Rainfall records for earlier years were received from many sources. Among these may be mentioned the records kept near Ashwater Rectory, north of Launceston, from 1900 to 1919 and copied from back numbers of the church magazine by the Rev. R. J. D. Newhouse; at Sudbourne Hall, near Orford in east Suffolk, since 1909 from Sir Peter Greenwell, Bart.; at Dawlish (Luscombe Castle) for 1941 from Sir Peter Hoare, Bart., to complete the record which was started there in 1898; at Chagford (Yellam Cottage) near Okehampton since 1943 from Commander E. D. Marston, R.N. (Retd.); at Ipplepen (Old Lime Kiln) near Newton Abbot maintained since 1946 by the late Mr. W. J. Friskney and forwarded by Mr. R. C. Bater; at Solihull, to the south of Birmingham, since 1946 from the Engineer and Surveyor; at Sudbury (Waterworks Pumping Station) in Suffolk since 1947 from the Borough Surveyor and Waterworks Engineer; at Keadby (Pumping Station), west of Scunthorpe, since 1947 from Mr. Marshal Nixon, Engineer to the Trent River Board; at Great Wyrley near Walsall since 1949 from Mr. R. Sambrook; at Midhurst in Sussex for 1948 and 1950 from Mr. R. Amoore who started the record in 1934; at Patching (Pumping Station) for 1952 from the Borough Water Engineer, Worthing; and at Workington (Coke Ovens) for 1952 from the Workington Iron and Steel Company.

INVESTIGATIONS. The annual article on the rainfall of the previous year appeared in *The Times* of January 12.

The Meteorological Office was represented on the British Rainfall Fund Committee of the Royal Meteorological Society and on the Hydraulics Committee of the Institution of Civil Engineers by Dr. J. Glasspoole, and on the Hydrological Research Group of the Institution of Water Engineers by both Dr. J. Glasspoole and Mr. A. Bleasdale. The Director of the Meteorological Office was also represented on the Hydrology Sub-committee of the National Committee for Geodesy and Geophysics (Royal Society).

The British Rainfall Organization Fund Committee of the Royal Meteorological Society is concerned with the assets which the Trustees of the Organization transferred to the Council of the Society in 1922 on the understanding that such assets would be used (*a*) to continue the long series of meteorological observations at 62 Camden Square (the original headquarters of the B.R.O.) (*b*) to encourage voluntary rainfall observers and (*c*) to encourage original research into the distribution or variation of rainfall over Great

Britain. Under (*c*) the third award of the Hugh Robert Mill Medal and Prize was made in 1954 to Mr. C. K. M. Douglas, O.B.E., well known for his work on forecasting and his papers on thunderstorm and orographical rains. Under (*b*) the Council agreed to lend a limited number of rain-gauges to suitable observers in remote districts; full details are set out in *Weather*, December 1953, and in the *Meteorological Magazine*, August 1954.

The Hydraulics Committee of the Institution of Civil Engineers has prepared a review outlining recent developments in the fields of (*a*) Rainfall and run-off, (*b*) Flow in open channels and (*c*) Flow in closed pipes. Monthly values of rainfall, run-off and evaporation have been examined for a number of drainage areas, with the object of producing results which are physically reasonable. This has brought out a fourth variable, that of the water content of the ground, streams, etc., from year to year. In some cases the errors of observation of one or more of the elements concerned were apparently so great that the resultant data for rainfall, run-off, evaporation and percolation were not mutually consistent. Work is in hand, therefore, to develop a method of testing sets of such data, obtained over a period of years, to obtain indications of the main sources of error, and as far as possible to correct for them.

Co-operation has continued with the Department of Scientific and Industrial Research, Road Research Laboratory, on surface water drainage problems. Three areas where investigations are in hand have been visited. A special investigation has been planned for the Cardington (Bedfordshire) area using a network of 16–20 recording rain-gauges over an area of about 4 square miles. These rain-gauges will be fitted with synchronized strip-chart recorders with a very open time-scale, so that the areal distribution of intense rainfall, and the detailed variation in time, can be accurately analysed. The data will be of direct value in surface water drainage problems and of much interest in other connections. The Meteorological Office is represented on the newly formed Joint Committee on Rainfall and Run-off set up by the Department of Scientific and Industrial Research (Road Research Laboratory) and the Ministry of Housing and Local Government.

The Evaporation Sub-Committee of the Hydrological Research Group of the Institution of Water Engineers has planned an investigation of evaporation from a storage reservoir covering 40 acres at Kempton Park. The Sub-Committee has been fortunate in obtaining the co-operation of the Metropolitan Water Board in this endeavour. The Board has undertaken not to use this reservoir except during emergency and members of the staff under the Resident Engineer at Kempton Park Waterworks will make the routine daily observations required.

The Meteorological Office took over the work of the Snow Survey of Great Britain, which the British Glaciological Society discontinued following their Annual Report 1952–53, and consideration is being given to the problem of securing more accurate recording of the amount and density of snow over the country from the hydrological aspect.

Some progress was made with the preparation of rainfall averages for the period 1916–50.

RIVER BOARDS. Work has continued in collaboration with the River Boards in obtaining a representative distribution of rainfall stations, which might be expected to remain permanent. Of the 32 River Boards covering England and Wales, contact has now been established with all except 5. The nature and scope of the work done for river boards varies a good deal, but in many cases daily rainfall amounts or maps showing the distribution of monthly rainfall are supplied regularly. The Severn River Board has undertaken to maintain a group of nine rainfall stations formerly under the authority of the Montgomeryshire County Council. These stations, in sparsely populated country near the headwaters of the Severn, were in danger of lapsing and the River Board has performed a very useful service in taking them over.

INSPECTIONS. During the year rain-gauges were included in the inspection of about 150 climatological stations. In addition it was possible to inspect about 200 rainfall stations (of which the Meteorological Office, Edinburgh, inspected about 50) distributed in the neighbourhood of London; over the gathering grounds providing water supply to Blackburn, Blackpool, Bolton, Harrogate, Keighley, Wakefield and the Staffordshire Potteries; as well as in Lanarkshire, Renfrewshire and the Loch Turret and Dee (Aberdeenshire) Valleys.

INQUIRIES. As in previous years inquiries regarding rainfall in various parts of the country covered a very wide field. They included many requests for records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of the average annual and monthly rainfall over specified areas, advice on the provision of equipment and the best exposure for rain-gauges.

Information was supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland were furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lee Conservancies. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular monthly issue of rainfall maps and data to industrial firms, Government Departments, consulting engineers, local authorities and numerous River and Conservancy Boards was continued.

The Meteorological Office, Edinburgh, dealt with numerous inquiries from legal and insurance firms and from the North of Scotland Hydro-Electric Board, Forestry Commission and the Departments of Health and Agriculture. Regular reports were supplied to the Registrar-General for Scotland, the North of Scotland Hydro-Electric Board, South-east Scotland Electricity Board, the *Inverness Courier* and other authorities interested in rainfall.

OBITUARY. During the twelve months ending June 30, 1954, reports were received of the deaths of 44 observers who had contributed to volumes of *British Rainfall.* Of these, 11 kept rainfall records for 30 years or more. A list of these is given below.

Mr. Joseph H. Welch sent returns regularly from Londonderry, starting in 1903 and continuing up to the time of his death early in 1953.

Mr. C. H. Scott, who died in July 1953, commenced forwarding rainfall records from Hollanden House, Hildenborough, in 1905 and continued until 1952.

The death of Major R. M. Ker in October

Name	Last place of observation	No. of years' records
Mr. Joseph H. Welch	Dunruadh, Londonderry	50
Mr. C. H. Scott	Hildenborough, Kent	48
Major R. M. Ker	Milngavie, Stirlingshire	45
Mr. A. O. Scrivener	Boston, Lincolnshire	44
Mr. W. A. Roberts	Bridport, Dorset	43
Mr. N. C. Armitage	Claygate, Surrey	43
Mr. H. I. Bond	Dorchester, Dorset	40
Sir Harold Clayton, Bart.	Brixham, Devonshire	35
Major W. S. R Cox	Bridstow, Herefordshire	34
Miss D. P. Foster	Liskeard, Cornwall	31
Mr. E. R. Sykes	Dorchester, Dorset	30

1953, ended a very long family association in rainfall recording. Major Ker's grandfather began his records in 1853 at Auchindraith, Hamilton, and was one of the contributors to *British Rainfall* 1860. There was a break in the recordings in 1877 until the late Major Ker resumed the returns—at Dougalston, Milngavie—in 1907. In 1928 the late Major Ker acquired Eastertoun whence he sent records until his death in 1953. His statistics of the rainfall at Dougalston and Eastertoun were kept with meticulous care, and he was always ready to discuss his findings with others and to pass on his data to anyone interested.

Mr. A. O. Scrivener contributed returns from Boston, taken at Bargate End 1908 to 1938 and then at Sibsey Road until 1951. He had recorded the large fall of 4·98 inches for August 8, 1931.

Mr. W. A. Roberts supplied records for Great Bromley, Essex, from 1910 to 1946, and then from Bridport until his death in March 1953. The record is being continued by Mr. H. G. T. Morrison.

Mr. N. C. Armitage sent returns regularly from Claygate, Surrey, from 1910 until 1952.

Mr. H. I. Bond sent records from Weybridge, 1914 to 1939, from Windsor, 1939 to 1949, and from Dorchester until his death in November 1953. The record is being continued by Miss M. H. G. Bond, whose family contributed returns from Corfe Castle, Dorset, from 1914 to 1942.

Sir Harold Clayton, Bart., forwarded returns from Brixham from 1917 until his death in 1951, and also from Harleyford Manor, near Marlow, from 1934 to 1945.

Major W. S. R. Cox, who died in February 1954, had forwarded returns from Bridstow, near Ross-on-Wye, from 1920 until shortly before his death. He was keenly interested in the Boy Scout movement from its start, in the Ross Golf Club, in the South Herefordshire Lawn Tennis Club, and was the vicar's warden at Bridstow for 43 years.

Miss D. P. Foster sent returns from Liskeard, Cornwall, from 1922 until her death in April 1953, when her sister, Miss W. P. Foster, who had shared the interest in rainfall observing, continued the record. Records for earlier years were credited to their father, Col. L. C. Foster, and it is interesting to note that in 1933 Miss D. P. Foster stated that she had "kept the record continuously since August 1895". Miss Foster had recorded the only entry exceeding 4 inches in a day for Cornwall—4·53 inches on October 5, 1929.

Mr. E. R. Sykes, who died in 1954, sent returns from Dorchester from 1924 to 1953.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1953

To obtain a homogeneous series of statistics the following definitions are used in *British Rainfall:*

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., during which ·01 inch or 0·2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., during which ·04 inch or 1·0 mm. or more of rain is recorded.

The former definition dates from the year 1865; the latter was adopted in 1919.

Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

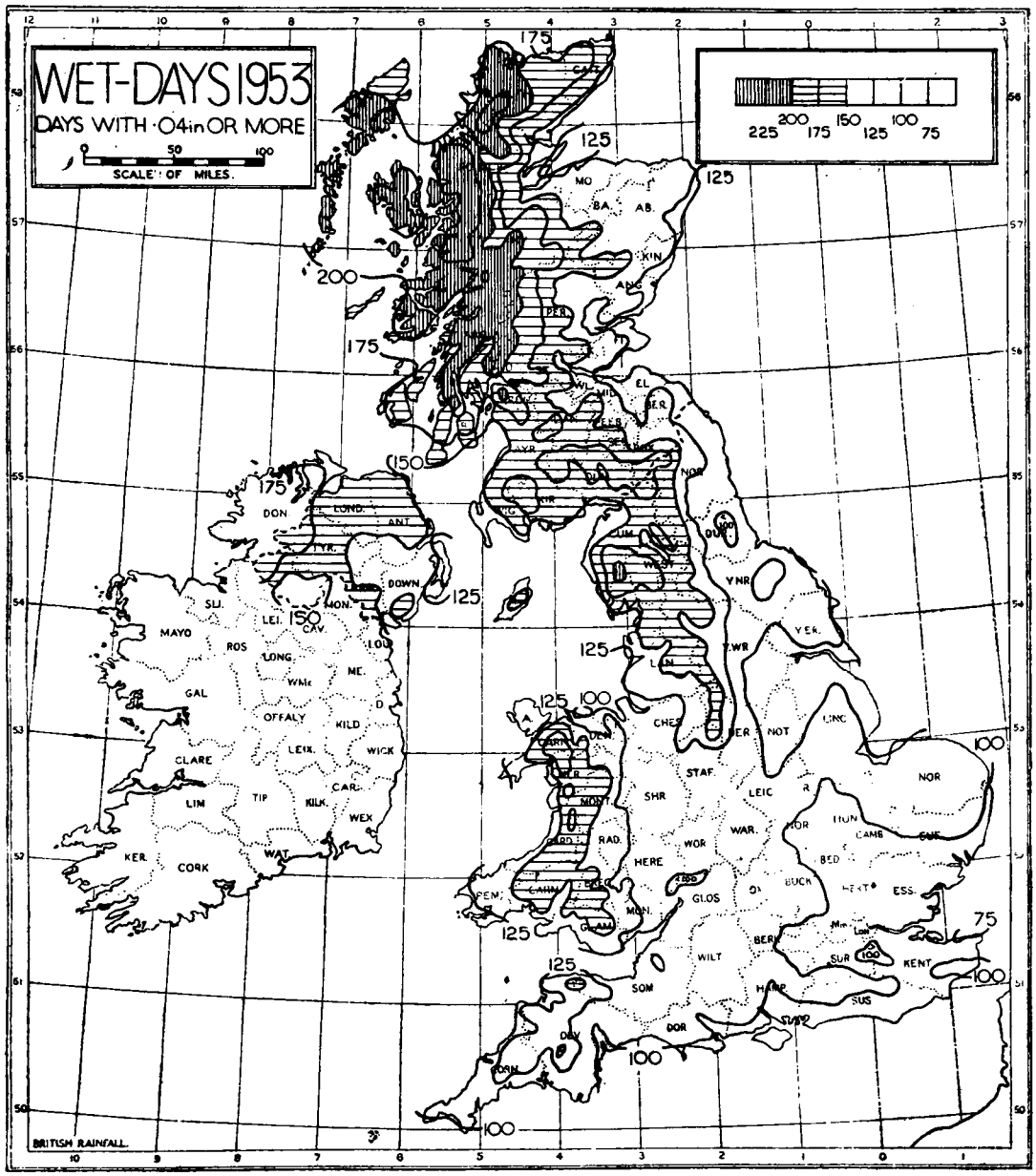
Information as to the number of rain-days and wet-days in 1953 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 7.

A comparison of the number of wet-days over England and Wales in each month of 1953 with corresponding figures for the previous 11 years and also with the average values for 30 years (1919–1948) is facilitated by Table 2A.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent as uniformly as possible conditions over Great Britain and Northern Ireland. The same stations have been used in the preparation of Table 3C, Droughts and Dry Spells, and of Table 4C, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2B. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8C.

The map of the annual number of wet-days in 1953 shows a distribution which, in the main, is similar to that in earlier years. Broadly speaking the number of wet-days increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west.

The number of wet-days in 1953 over England and Wales as a whole, 112, was 26 fewer than the average and 23 less than in the previous year. The only years with a smaller number were 1921 and 1949, each with 110 wet-days. Scotland had 166 wet-days, 8 fewer than the average and 4 less than the previous year. Northern Ireland's total of 152 wet-days was the smallest in the series commencing in 1941.



In 1953 there were fewer than 100 wet-days to the east of the southern Pennines and in much of south-east England. Only 75 wet-days were reported at Margate. Totals exceeding 200 wet-days were confined almost entirely to much of the north-west of Scotland. Totals at the selected stations ranged from 83 at Worthing and Shoeburyness to 225 at Loch Shin in the north of Scotland.

The number of rain-days over England and Wales as a whole was 158, or 30 less than the 1881–1915 average, and over Scotland there were 215, or 2 less than average. Compared with the previous year, 1953 had 28 fewer rain-days over England and Wales, 8 fewer over Scotland and 11 fewer over Northern Ireland. The number for 1953 was the smallest in the series for England and Wales since 1917, apart from 1949 with 154 rain-days. The range over Great Britain and Northern Ireland at the selected stations was from 124 at both Worthing and Shoeburyness to 274 at Loch

Shin in the north of Scotland. Areas with fewer than 125 rain-days occurred around the Thames Estuary and along the south coast from Selsey Bill to Brighton, while those with 250 rain-days were confined to the west of Scotland and the English Lake District.

The month with the greatest number of rain-days generally over England and Wales, Scotland and Northern Ireland was July with 19, 24 and 25 respectively, the fewest occurring in March with 6, 8 and 7 respectively. This is an unusual distribution. Compared with 1952, July had 10 more rain-days but March had 10 fewer rain-days over England and Wales. This was the largest July total since 1939 when there were 21 rain-days, and the smallest March total since 1929 when there were only 4 rain-days.

An outstanding feature of the monthly totals was the small number over England and Wales in both January to March and October to December. The first three months of the year contributed only 30 rain-days, or 19 fewer than the average and the fewest since 1929 with 29 rain-days. The last three months of the year contributed 41 rain-days, or 14 fewer than the average and since 1917 only 1921 gave fewer, although there were 41 also in October to December 1947. Over Scotland and Northern Ireland the number of rain-days during these two periods was much more normal, apart from the dry March.

The number of wet-days was also greatest in July and least in March. For England and Wales the number in July was exceeded last in 1940, while only in 1929 were there fewer in March.

Amongst the selected stations the largest numbers of rain-days occurred in November, with 29 at Loch Shin (of which 26 were wet-days), December, with 28 at Ballymena, Northern Ireland, and July, with 28 at Applecross, in northern Scotland. March provided the smallest totals, only three rain-days occurring at widely scattered places—Shoeburyness, Durham, Dyce and Donaghadee. Durham, Felixkirk and Donaghadee recorded only one wet-day during March.

Table 2A Monthly Number of Wet-Days (Days with ·04 inch or more) over England and Wales 1942–1953

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1942	14	5	10	7	13	3	11	14	12	13	7	17	126
1943	20	8	5	8	10	10	9	14	12	12	15	8	131
1944	13	9	4	9	6	11	11	9	13	16	19	12	132
1945	13	13	6	8	13	14	8	10	11	10	5	15	126
1946	12	12	7	8	10	15	10	16	16	6	18	16	146
1947	14	8	20	11	11	11	11	2	9	5	12	12	126
1948	22	10	6	9	9	15	8	14	9	11	9	13	135
1949	9	7	7	9	10	4	6	7	6	15	16	14	110
1950	7	16	8	15	9	8	12	16	18	9	18	13	149
1951	15	17	17	12	12	7	7	16	11	6	20	14	154
1952	15	6	11	10	10	9	6	12	13	14	13	16	135
1953	6	9	4	12	9	10	14	10	11	9	10	8	112
Average*	15	11	10	11	10	9	11	11	11	12	13	14	138

* Average for 30 years, 1919–1948.

Table 2B. Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1953

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rainfall.
ENGLAND AND WALES															in.
London 2	St. Pancras (Camden Square).	9 3	8 8	5 4	16 13	10 6	13 10	19 16	9 9	11 10	14 9	10 4	10 4	134 96	20·57
Kent 1	Dover (Waterloo Crescent)...	11 8	12 9	5 3	14 12	8 6	9 6	17 16	11 8	13 10	12 10	10 7	10 8	132 103	23·79
,, ...4	Edenbridge (Falconhurst)....	8 6	8 7	5 4	17 11	8 7	14 11	19 16	11 7	10 10	12 8	9 7	7 5	128 99	24·58
Sussex 3	Worthing (Beach House Park)	7 3	8 4	4 2	14 11	9 7	13 8	16 10	7 5	13 11	13 10	10 8	10 4	124 83	24·32
Hampshire...1	Ventnor Park	9 4	9 7	6 5	12 7	11 7	11 10	12 7	9 7	15 14	13 8	13 11	9 6	129 93	22·19
,, ...4	Southampton (East Park)....	9 2	12 8	6 4	17 13	9 8	17 11	18 12	12 7	13 12	14 10	12 7	9 7	148 101	27·52
,, ...8	South Farnborough (R.A.E.).	9 5	9 8	5 3	14 11	11 9	13 8	23 12	9 7	11 9	13 10	9 5	12 4	138 91	20·14
Hertford.....2	Harpenden (Rothamsted)	11 5	11 6	5 4	13 12	11 8	13 10	19 15	8 6	10 8	13 10	10 5	16 3	140 92	22·76
Oxford 3	Oxford (Radcliffe Met. Stn.)..	15 5	13 7	9 5	16 14	11 9	15 12	21 16	9 9	16 10	13 10	16 6	14 7	168 110	20·90
Northampton.4	Wellingborough (Swanspool)..	13 5	9 7	5 3	16 16	9 6	14 8	20 14	11 9	10 10	9 7	8 6	15 7	139 98	18·77
Huntingdon..1	Whittlesea Mere.....	12 8	9 9	6 4	15 11	8 7	16 12	16 11	11 7	11 5	13 9	9 7	11 3	137 93	18·00
Cambridge...2	Cambridge (Botanic Gardens).	10 5	10 6	5 4	14 12	13 9	15 10	18 14	10 9	12 9	13 9	9 7	10 5	139 99	18·76
Essex 3	Shoeburyness.....	6 3	10 8	3 3	12 8	8 4	13 9	14 11	12 7	12 10	12 10	8 6	14 4	124 83	17·10
,, ...5	Halstead (The Brewery).....	11 4	10 7	5 4	15 13	10 6	14 11	17 13	10 8	11 9	15 10	9 6	14 5	141 96	20·36
Suffolk 4	Lowestoft (Secondary School)	16 6	13 9	4 4	14 10	9 8	14 12	18 15	11 7	10 9	10 7	7 5	8 4	134 96	17·26
Norfolk 3	Sandringham House Gardens.	14 9	14 11	7 3	17 13	12 11	17 12	15 14	12 10	10 9	13 9	9 7	13 7	153 115	24·91
Devon, S.....5	Teignmouth (Den Gardens) ..	6 2	8 8	6 3	19 10	10 8	12 8	20 8	11 9	14 12	10 9	14 9	11 4	141 90	22·09
Devon, N....1	Ilfracombe (Bowling Green)..	7 5	13 11	8 5	14 11	10 9	10 8	16 16	13 9	17 15	12 12	18 16	12 8	150 125	36·84
Cornwall 1	Bude (School House)	15 8	13 9	6 5	13 11	11 10	15 8	21 15	14 9	17 14	14 9	17 12	13 9	169 119	26·44
,, ...2	St.Austell(PoltairPublicGdns.)	13 8	14 8	7 6	15 13	12 11	15 11	20 12	13 10	16 14	12 10	18 11	15 10	170 124	32·08
,, ...4	Scilly (Tresco Abbey).....	12 6	13 6	7 4	16 14	8 8	15 10	20 17	13 7	12 9	15 12	15 11	13 10	159 114	27·49
Somerset 1	Bath (Henrietta Park)	10 4	13 8	6 5	17 16	9 8	17 9	20 13	12 9	16 14	9 7	13 10	11 7	153 110	23·77
,, ...3	Taunton (Vivary Park)	7 4	11 8	9 5	18 15	11 8	13 10	18 11	12 6	17 12	12 8	16 9	14 8	158 104	20·01
Hereford 1	Ross-on-Wye.....	6 3	9 7	6 4	15 12	10 6	13 9	20 10	13 7	14 11	11 8	11 7	15 7	143 91	22·96
Shropshire ..3	Shrewsbury (Monkmore)	6 3	12 7	6 5	14 10	13 9	13 10	21 12	12 10	14 11	12 9	12 10	18 9	153 105	22·04
Warwick 1	Leamington Spa (Pump Room Gardens)	9 6	9 6	7 5	17 12	11 9	15 9	20 13	13 9	15 11	11 9	11 7	15 7	153 103	19·59
Leicester 4	Loughbor'gh(NanpantanRes.)	13 6	7 6	6 6	15 12	10 9	15 13	17 9	11 10	10 8	10 7	11 5	14 7	139 98	23·34
Lincoln.....3	Horncastle.....	12 7	13 9	7 5	16 11	12 9	14 12	15 12	12 11	9 7	11 8	9 8	13 8	143 107	22·68
Nottingham..5	Mansfield (Carr Bank).....	9 3	9 7	5 3	15 12	13 8	17 12	21 14	12 8	10 7	8 7	8 7	14 10	141 98	20·01
Cheshire.... 2	Northwich (Hunts Lock)	11 8	12 8	8 4	14 13	14 11	14 11	21 14	14 11	15 9	9 8	11 9	18 10	161 116	23·77
,, ...3	Birkenhead (Bidston Obsy.) ..	13 5	9 6	7 6	12 10	13 10	12 8	14 11	16 14	13 10	11 7	13 7	19 12	152 106	21·83
Lancs, C. ...1	Squires Gate Airport.....	13 8	9 5	5 4	11 9	11 9	14 9	17 15	17 13	16 10	9 9	16 12	18 13	156 116	26·96

Table 2B. Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1953 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rainfall.
ENGLAND AND WALES (*continued*)															in.
Yorks, W.R. .8	Wakefield (Clarence Park) ...	11 4	11 7	6 3	14 13	10 8	15 9	16 10	14 11	12 9	9 7	9 6	19 10	146 97	19·44
,, E.R. ..3	Hull (Pearson Park).....	16 9	16 11	7 4	17 13	12 9	11 9	17 11	13 9	9 4	10 6	7 7	12 6	147 98	21·41
,, N.R. .2	Felixkirk (Mount St. John)...	14 9	12 9	4 1	17 13	10 9	13 10	21 15	20 12	9 7	11 8	16 10	21 10	168 113	25·70
,, N.R. .5	Scarborough	13 10	12 10	6 3	17 12	12 9	16 8	17 10	17 14	11 6	10 6	12 9	12 10	155 107	20·90
Durham 2	Durham (Houghall Hort. Stn.)	10 5	11 9	3 1	15 9	12 6	11 10	23 16	16 10	10 8	11 6	14 7	17 8	153 95	21·39
Northumb. ..6	Ilderton (Lilburn Tower Gdns.)	15 9	13 10	5 3	18 15	12 8	13 7	26 18	15 12	12 10	15 9	19 11	16 10	179 122	23·79
Cumberland .1	Geltsdale	19 13	14 10	7 5	15 14	14 11	18 12	27 21	24 20	18 14	13 9	24 16	20 13	213 158	34·88
,, .2	Keswick (High Hill).....	17 11	17 11	6 5	14 11	13 11	14 9	26 23	21 15	15 14	14 10	25 22	20 14	202 156	51·23
Westmorland.2	Ambleside	25 16	22 12	8 6	15 13	14 10	16 13	26 23	20 20	18 15	14 12	24 22	22 16	224 178	73·86
Glamorgan ..7	Cardiff (Penylan)	12 4	10 8	8 6	13 10	9 7	15 12	19 15	10 10	17 14	12 10	18 14	15 13	158 123	38·59
Carmarthen..2	Llanddeusant (Pontcrynfe) ..	15 4	19 12	8 7	18 14	13 8	18 10	22 17	21 15	19 16	15 11	21 15	19 11	208 140	50·68
Pembroke ...4	Tenby (The Priory)	15 8	16 12	8 7	12 11	13 8	12 8	16 11	14 9	17 14	15 12	20 16	14 9	172 125	36·40
Radnor.....1	Birmingham W.W. (Tyrm'dd)	18 8	17 12	7 7	19 14	16 12	16 12	25 19	21 16	19 16	15 10	19 15	22 11	214 152	48·15
Montgomery.5	Lake Vyrnwy (Exper. Station)	15 8	16 14	8 7	15 14	14 10	15 10	26 23	18 14	18 17	15 12	18 16	22 13	200 158	55·01
Merioneth ...5	Aberdovey (Plâs Penhelig) ...	17 12	18 11	9 7	15 9	14 11	17 10	24 15	17 14	19 13	14 9	16 15	19 12	199 138	40·25
Anglesey	Llanerchymedd (Llwydiarth Esgob)	20 8	17 12	8 6	16 11	16 10	14 10	20 15	19 12	18 13	13 10	20 16	23 17	204 140	35·74
England and Wales	**Mean of 48 Stations**.....	**12** 6	**12** 9	**6** 4	**15** 12	**11** 9	**14** 10	**19** 14	**14** 10	**14** 11	**12** 9	**14** 10	**15** 8	**158** 112	..
	Average (1881–1915)	**18** ..	**15** ..	**16** ..	**14** ..	**14** ..	**13** ..	**14** ..	**16** ..	**13** ..	**18** ..	**18** ..	**19** ..	**188** .	..
ISLE OF MAN	Douglas (Borough Cemetery)	16 13	13 7	7 3	14 11	14 10	12 8	21 16	17 13	16 14	14 12	19 16	21 17	184 140	42·17
SCOTLAND															
Wigtown 1	Castle Kennedy (Lochinch) ..	17 13	13 6	6 3	14 10	12 9	13 9	23 20	17 14	22 16	14 13	21 14	20 18	192 145	40·14
Kirkcudbr'ht.5	Lochrutton (Dumfries W.W.)	19 13	15 8	7 4	16 14	13 10	13 10	23 22	17 17	21 16	14 13	26 20	21 18	205 165	40·91
Peebles.....2	Stobo Castle	16 9	14 9	7 5	17 14	14 11	13 10	23 20	19 12	21 15	19 10	25 19	22 11	210 145	33·42
Berwick 4	Marchmont House	11 7	12 7	5 3	19 14	15 10	13 9	23 18	20 14	16 13	14 10	16 13	16 11	180 129	24·81
Lanark.....5	Strathaven (Kype Reservoir) .	18 14	16 15	7 5	18 14	14 12	11 8	24 23	16 13	20 17	18 14	26 24	20 16	208 175	44·80
Renfrew.....3	Greenock (Prospect Hill)	18 14	19 12	7 7	22 15	13 12	9 6	23 20	22 17	19 16	18 14	25 25	20 16	215 174	58·14
Stirling.....1	Falkirk (Arnotdale)	18 10	17 11	6 6	16 13	15 12	11 8	23 19	18 13	14 13	15 10	24 22	15 14	192 151	32·86
Argyll.....11	Inveraray Castle Gardens	23 20	18 16	10 9	22 18	18 12	9 6	24 21	23 20	23 19	17 14	25 25	25 17	237 197	88·35
,, ...14	Islay (Eallabus).....	18 17	17 14	8 8	20 18	16 12	11 10	21 20	19 18	21 20	14 14	26 24	25 23	216 198	51·75
,, ... 14	Mull (Gruline)	23 22	20 18	13 10	19 16	18 14	11 8	24 22	24 20	25 24	22 22	27 26	26 21	252 223	83·77

Table 2B. Number of Rain-days (·01 in. or more) and of Wet-days (·04 in. or more) in 1953 (*concluded*)

Country and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rainfall.
SCOTLAND (*continued*)															in.
Argyll.....14	Tiree Airport.....	24 18	19 14	8 7	19 17	14 9	12 8	22 19	24 18	23 17	21 14	24 23	24 19	234 183	46·06
Fife.....:3	Leuchars Airport	7 4	10 4	4 3	16 13	11 8	11 7	22 18	17 12	12 10	16 9	17 9	16 12	159 109	19·58
Perth.....11	Aberfeldy (Tigh'n Eilean)	13 7	12 8	6 5	17 9	14 10	13 9	25 21	19 12	18 12	13 9	24 16	25 15	199 133	29·28
Aberdeen....1	Braemar (Bank)	16 8	17 10	7 5	20 12	16 9	16 11	25 20	20 13	16 12	14 9	21 15	19 14	207 138	29·07
,, ...2	Dyce (Craibstone)	16 8	15 8	3 2	16 13	13 11	10 8	27 21	16 10	15 13	12 5	12 10	21 13	176 122	28·86
,, ...4	Peterhead (Forehill Works) ..	14 8	14 10	7 2	15 11	14 9	15 12	19 12	19 15	17 12	13 7	16 12	20 14	183 124	20·64
Banff 3	Ballindalloch.....	15 11	16 13	8 6	17 13	15 11	14 11	24 17	21 15	16 12	9 8	17 8	16 12	188 137	32·22
Nairn 2	Nairn (Achareidh)	16 9	16 8	10 7	18 12	17 11	17 9	25 24	21 15	14 10	11 7	18 11	21 9	204 132	25·12
Inverness....2	Dalwhinnie	19 11	21 13	7 7	20 16	16 12	16 10	27 23	23 19	12 11	18 12	25 24	20 18	224 176	46·17
,, ...6	Loch Ness (Garthbeg).....	21 13	21 13	8 6	21 18	17 13	16 12	27 26	23 16	19 14	16 8	27 23	22 15	238 177	44·15
,, ...17	Fort William (Teviot)	23 21	21 16	9 9	19 16	15 10	10 5	26 22	20 17	18 18	22 18	26 26	25 22	234 200	85·48
Ross and Cromarty.7	Inverbroom (Glackour)	25 20	17 15	9 9	21 17	15 12	13 10	24 23	21 18	21 17	18 12	23 22	18 18	225 193	58·04
,, ,, 9	Applecross (Milton).....	23 22	22 20	11 9	19 16	19 16	14 10	28 22	23 20	20 19	26 21	26 24	23 20	254 219	52·01
,, ,, 10	Stornoway Airport.....	23 19	21 14	12 10	20 16	18 15	12 7	27 20	22 17	22 13	27 21	26 24	23 18	253 194	41·36
Sutherland...1	Loch Shin (Corrykinloch)	28 24	24 21	12 9	25 18	19 17	12 10	27 24	25 21	22 17	24 18	29 26	27 20	274 225	80·00
,, ...4	Tongue.....	23 16	22 14	10 9	21 17	18 15	15 9	24 21	21 16	19 18	19 13	25 21	19 15	236 184	35·56
Caithness....2	Wick Airport.....	23 18	20 13	11 9	16 12	16 10	11 7	23 19	20 15	18 13	16 10	20 12	19 11	213 149	26·99
Scotland.....	**Mean of 27 Stations**.....	**19** 14	**17** 12	**8** 6	**19** 14	**15** 12	**13** 9	**24** 21	**20** 16	**19** 15	**17** 12	**23** 19	**21** 16	**215** 166	..
	Average (1881–1915)	**20** ..	**18** ..	**19** ..	**16** ..	**16** ..	**15** ..	**18** ..	**19** ..	**17** ..	**17** ..	**19** ..	**21** ..	**217** ..	..
NORTHERN IRELAND															
Fermanagh ..1	Enniskillen (Bellevue)	23 7	18 6	12 4	17 17	15 11	14 9	27 23	22 15	21 15	15 8	28 14	26 17	238 146	29·23
,, ..1	Belleek (Roscor).....	17 12	19 12	8 5	19 16	15 13	16 12	25 25	21 18	22 21	16 13	19 19	24 20	221 186	41·22
Armagh 5	Armagh Observatory.....	15 7	16 9	4 4	17 13	15 11	15 12	22 19	18 16	18 13	12 9	20 13	21 16	193 142	27·69
Down..... 4	Donaghadee (Orlock Res.)...	14 9	7 4	3 1	12 6	11 7	11 8	23 21	20 15	14 10	12 9	15 11	19 12	161 113	23·78
Antrim.....5	Ballymena (Harryville).....	19 11	19 9	6 4	21 14	16 11	14 12	26 21	22 16	21 18	16 9	20 12	28 16	228 153	32·37
Tyrone.....3	Omagh (Edenfel).....	21 13	18 13	7 6	20 17	15 14	16 10	27 25	23 16	21 16	16 11	22 15	26 16	232 172	35·61
Northern Ireland	**Mean of 6 Stations**.....	**18** 10	**16** 9	**7** 4	**18** 14	**14** 11	**14** 11	**25** 22	**21** 16	**20** 15	**14** 10	**21** 14	**24** 16	**212** 152	..

3 Absolute Droughts, Partial Droughts and Dry Spells in 1953

The following definitions are used in *British Rainfall* in order to obtain a homogeneous series of statistics:

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited ·01 inch of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed ·01 inch.

A **dry spell** is a period of at least 15 consecutive days, to none of which is credited ·04 inch of rain or more.

More concise definitions of two of these terms would be:— An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definitions of absolute drought and partial drought were introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3C of the absolute droughts, partial droughts and dry spells which occurred at the 82 selected stations of Table 2B. The monthly totals at these stations are included in Table 8C.

Of the selected stations, only 7 did not record a drought or a dry spell during the year—all of these being in Scotland, and their names are omitted from Table 3C.

In Tables 3A and 3B, the total numbers of droughts and dry spells recorded at the 82 stations in 1953 are compared with those in the ten preceding years. The tables show that 1953 gave the greatest number of absolute and partials apart from 1947 and 1949 and the greatest number of dry spells apart only from 1947.

Absolute droughts were recorded at 38 stations in England, 5 in Wales, 13 in Scotland, 5 in Northern Ireland and at Douglas, making 62 in all out of the 82 selected stations. All these stations, except Cardiff, recorded a drought within the period February 17 to March 29, while that at Scarborough experienced two within this period, separated by a single wet-day. This drought covered most of the country, except the north and west of Scotland, and gave the longest duration, viz., 36 days, February 18 to March 25, at Lowestoft. Other droughts occurred at isolated stations between January 9 and 29, June 17 and July 1, July 31 and August 16, September 23 and October 11, and November 10 and December 13. The mean duration of these droughts was 24 days, the longest in the series in Table 3A, apart only from 1947.

All the 65 stations with partial droughts recorded one within the period February 11 to April 10, and these stations represented the whole of England and Wales, apart from the English Lake District, and most of the south and east of Scotland, as well as Northern Ireland. In addition, 11 of these stations recorded droughts during the period December 26, 1952, to February 7, whilst 12 stations, covering East Anglia and much of south-east England, reported droughts during the period November 6 to December 29. Both South

Farnborough and Shoeburyness recorded all three droughts. The longest partial drought lasted 56 days, from February 14 to April 10, at Donaghadee, Co. Down, when only ·38 inch was recorded.

Of the 163 dry spells, 113 occurred in England, 11 in Wales, 1 in the Isle of Man, 32 in Scotland and 6 in Northern Ireland. No dry spells were recorded during the year at stations in the extreme north-west of Scotland. Most of the dry spells occurred within the period February 13 to March 31, but spells occurred during 8 other periods. Thus 28 stations recorded spells between December 28, 1952, and February 1, 16 between July 26 and August 18, and 13 between November 9 and December 17. Both Dover and Southampton recorded 5 dry spells. The longest lasted 43 days from February 15 to March 29 at Dyce, near Aberdeen.

Table 3A. Droughts at 82 Stations, 1943–1953

Year	ABSOLUTE DROUGHTS*				PARTIAL DROUGHTS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1943	61	21	41	47	50	48	79	34
1944	25	17	21	62	42	41	66	52
1945	33	19	24	55	58	33	44	41
1946	57	17	25	36	50	34	59	42
1947	114	25	44	3	128	43	103	3
1948	29	17	23	57	44	38	54	44
1949	75	20	37	27	89	38	65	20
1950	41	16	21	49	15	36	42	68
1951	27	16	23	56	16	33	40	66
1952	32	17	23	61	11	37	47	72
1953	71	24	36	20	88	40	56	17

* 15 days without a rain-day.

† 29 days averaging not more than ·01 inch.

Table 3B. Dry Spells‡ at 82 Stations, 1943–1953

Year	Number at 82 Stations	Mean Duration	Longest Spell	Number of Stations with			
				None	1 or 2	3 or 4	5 or more
		Days	Days				
1943	129	22	47	28	27	27	0
1944	96	19	37	41	27	9	5
1945	125	20	35	14	52	16	0
1946	132	18	29	10	60	12	0
1947	179	25	53	1	51	30	0
1948	107	19	32	18	55	9	0
1949	162	22	55	12	42	26	2
1950	106	17	27	24	47	9	2
1951	94	18	32	12	66	4	0
1952	119	18	23	24	44	13	1
1953	163	23	43	7	45	28	2

‡ 15 days without a wet-day.

Table 3c. Droughts and Dry Spells in 1953

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES				days			days	in.			days	in.
London.....2	St. Pancras (Camden Square)..	..	..	..	..	..	..	..	Jan. 7	Jan. 29	23	·12
		Feb. 20	Mar. 11	20	Feb. 11	Mar. 26	44	·38	Feb. 20	Mar. 25	34	·01
		..	..	..	Nov. 10	Dec. 29	50	·45	Nov. 10	Dec. 13	34	·15
Kent.....1	Dover (Waterloo Crescent)....	..	..	..	..	..	..	..	Jan. 9	Jan. 29	21	·04
		Feb. 21	Mar. 10	18	Feb. 14	Apr. 1	47	·45	Feb. 15	Mar. 10	24	·05
		..	..	..	..	..	..	..	Aug. 30	Sep. 14	16	·02
		..	..	..	Nov. 9	Dec. 13	35	·35	Nov. 9	Nov. 24	16	·05
		..	..	..	..	..	..	..	Nov. 26	Dec. 13	18	·02
,, ...4	Edenbridge (Falconhurst)	..	..	..	..	..	..	..	Jan. 10	Jan. 29	20	·03
		Feb. 20	Mar. 25	34	Feb. 14	Apr. 3	49	·48	Feb. 20	Mar. 25	34	·00
		Nov. 10	Nov. 24	15	Nov. 10	Dec. 22	43	·41	Nov. 10	Nov. 24	15	·00
Sussex.....3	Worthing (Beach House Park)..	..	..	..	..	..	..	..	Jan. 7	Jan. 29	23	·07
		Feb. 20	Mar. 25	34	Feb. 11	Apr. 3	52	·45	Feb. 20	Mar. 25	34	·00
		Jul. 31	Aug. 16	17	..	..	..	..	Jul. 31	Aug. 18	19	·02
		..	..	..	..	..	..	..	Nov. 9	Nov. 23	15	·04
Hampshire.....1	Ventnor (Park)	..	..	..	..	..	..	..	Jan. 7	Jan. 26	20	·07
		Feb. 20	Mar. 11	20	Feb. 11	Mar. 26	44	·36	Feb. 20	Mar. 11	20	·00
		..	..	..	..	..	..	..	Jul. 31	Aug. 18	19	·05
		..	..	..	Nov. 26	Dec. 24	29	·29	Nov. 26	Dec. 14	19	·03
,, ...4	Southampton (East Park).....	..	..	..	..	..	..	..	Jan. 6	Jan. 29	24	·08
		Feb. 21	Mar. 25	33	Feb. 11	Mar. 26	44	·44	Feb. 20	Mar. 25	34	·01
		..	..	..	..	..	..	..	May 21	Jun. 10	21	·07
		..	..	..	..	..	..	..	Jul. 31	Aug. 16	17	·05
		..	..	..	..	..	..	..	Nov. 9	Nov. 23	15	·04
Hampshire.....8	South Farnborough (R.A.E.)...	..	..	..	Jan. 7	Feb. 7	32	·28	Jan. 7	Jan. 26	20	·04
		Feb. 20	Mar. 25	34	Feb. 14	Mar. 29	44	·39	Feb. 20	Mar. 25	34	·00
		..	..	..	..	..	..	..	Aug. 1	Aug. 18	18	·04
		..	..	..	..	..	..	..	Sep. 23	Oct. 11	19	·02
		..	..	..	Nov. 10	Dec. 23	44	·42	..	..	..	..
Hertford.....2	Harpenden (Rothamsted).....	Feb. 28	Mar. 25	26	Feb. 13	Mar. 28	44	·35	Feb. 14	Mar. 25	40	·06
		..	..	..	..	..	..	..	Aug. 1	Aug. 16	16	·03
		Sep. 23	Oct. 11	19	..	..	..	..	Sep. 23	Oct. 11	19	·00
		..	..	..	Nov. 10	Dec. 29	50	·43	Nov. 25	Dec. 13	19	·12

Table 3c. Droughts and Dry Spells in 1953 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES (*continued*)				days			days	in.			days	in.
Oxford 3	Oxford (Radcliffe Met. Stn.)...	..	..	..	Jan. 8	Feb. 7	31	·31	Jan. 7	Jan. 29	23	·14
		..	..	..	Feb. 14	Mar. 26	41	·37	Feb. 19	Mar. 25	35	·05
		..	..	..	..	..	..	..	Nov. 25	Dec. 9	15	·11
Northampton ..4	Wellingborough (Swanspool)..	..	..	..	..	..	..	..	Jan. 7	Jan. 29	23	·10
		Feb. 20	Mar. 25	34	Feb. 13	Mar. 28	44	·44	Feb. 19	Mar. 25	35	·03
Huntingdon....1	Whittlesea Mere	Feb. 20	Mar. 11	20	Feb. 14	Mar. 28	43	·36	Feb. 20	Mar. 25	34	·03
		..	..	..	..	..	..	..	Aug. 30	Sep. 15	17	·07
		..	..	..	..	..	..	..	Sep. 23	Oct. 11	19	·04
		..	..	..	Nov. 14	Dec. 17	34	·31	Nov. 25	Dec. 17	23	·13
Cambridge.....2	Cambridge (Botanic Gardens)..	Jan. 9	Jan. 23	15	..	..	..	..	Jan. 7	Jan. 26	20	·06
		Feb. 20	Mar. 25	34	Feb. 12	Mar. 28	45	·43	Feb. 20	Mar. 25	34	·00
		..	..	..	Nov. 14	Dec. 18	35	·34	..	..	..	..
Essex.....3	Shoeburyness	..	..	..	Jan. 7	Feb. 7	32	·19	Jan. 7	Jan. 29	23	·05
		Feb. 20	Mar. 25	34	Feb. 11	Apr. 3	52	·51	Feb. 20	Mar. 25	34	·00
		..	..	..	Nov. 8	Dec. 29	52	·52	Nov. 25	Dec. 13	19	·04
,, ...5	Halstead (The Brewery).....	Feb. 20	Mar. 11	20	Feb. 13	Mar. 31	47	·46	Feb. 20	Mar. 11	20	·00
		..	..	..	Nov. 10	Dec. 17	38	·37	Nov. 25	Dec. 13	19	·05
Suffolk 4	Lowestoft (Secondary School)..	Feb. 18	Mar. 25	36	Feb. 11	Mar. 31	49	·49	Feb. 13	Mar. 25	41	·06
		Nov. 25	Dec. 13	19	Nov. 6	Dec. 13	38	·37	Nov. 25	Dec. 13	19	·00
Norfolk.....3	Sandringham House Gardens..	Mar. 5	Mar. 25	21	Feb. 14	Mar. 28	43	·36	Feb. 20	Mar. 25	34	·02
		..	..	..	..	..	..	..	Jul. 28	Aug. 14	18	·05
		..	..	..	Nov. 15	Dec. 17	33	·26	..	..	..	..
Devon, S.....5	Teignmouth (Den Gardens)....	..	..	..	29. xii. 52	Jan. 29	32	·29	Jan. 6	Jan. 29	24	·06
		Feb. 20	Mar. 14	23	Feb. 15	Mar. 28	42	·41	Feb. 20	Mar. 14	23	·00
		..	..	..	..	..	..	..	May 23	Jun. 14	23	·08
		Jul. 31	Aug. 14	15	.. ..	..	..	..	Jul. 31	Aug. 14	15	·00
Devon, N. 1	Ilfracombe (Bowling Green)...	Feb. 23	Mar. 14	20	Feb. 21	Mar. 25	33	·23	Feb. 22	Mar. 14	21	·03
Cornwall 1	Bude (School House)	Feb. 22	Mar. 15	22	Feb. 18	Mar. 25	36	·32	Feb. 22	Mar. 15	22	·00
,, ...2	St. Austell (Poltair Public Gdns.)	Feb. 23	Mar. 15	21	Feb. 14	Mar. 25	40	·39	Feb. 21	Mar. 25	33	·06
		..	..	..	..	..	..	..	Oct. 1	Oct. 15	15	·01
,, ...4	Tresco Abbey.....	..	..	..	..	..	..	..	Jan. 10	Jan. 29	20	·05
		Feb. 23	Mar. 14	20	Feb. 14	Mar. 25	40	·22	Feb. 18	Mar. 14	25	·05
		..	..	..	..	..	..	..	Sep. 28	Oct. 15	18	·02

Table 3c. Droughts and Dry Spells in 1953 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES (*continued*)				days			days	in.			days	in.
Somerset..... 1	Bath (Henrietta Park).....	..	..	..	..	..	..	..	Jan. 10	Jan. 29	20	·09
		Feb. 23	Mar. 25	31	Feb. 12	Mar. 25	42	·42	Feb. 22	Mar. 25	32	·01
		..	..	..	..	..	..	..	Jul. 31	Aug. 14	15	·01
,, ...3	Taunton (Vivary Park).....	..	..	..	Jan. 6	Feb. 7	33	·27	Jan. 11	Jan. 29	19	·02
		..	..	..	Feb. 14	Mar. 28	43	·43	Feb. 20	Mar. 25	34	·08
		..	..	..	..	..	..	..	Jul. 31	Aug. 14	15	·01
Hereford.... ..1	Ross-on-Wye	Jan. 9	Jan. 29	21	29. xii. 52	Jan. 29	32	·25	Jan. 6	Jan. 29	24	·02
		Feb. 21	Mar. 25	33	Feb. 11	Mar. 28	46	·45	Feb. 19	Mar. 26	36	·03
		..	..	..	..	..	..	..	Jul. 31	Aug. 14	15	·07
Shropshire 3	Shrewsbury (Monkmore).....	..	..	..	31. xii. 52	Jan. 29	30	·30	Jan. 6	Jan. 23	18	·03
		Feb. 28	Mar. 25	26	Feb. 14	Mar. 27	42	·36	Feb. 19	Mar. 26	36	·03
		..	..	..	..	..	..	..	Jun. 25	Jul. 10	16	·06
Warwick.....1	Leamington Spa (Pump Room Gardens)	..	..	..	..	..	..	..	Jan. 8	Jan. 23	16	·03
		Feb. 20	Mar. 19	28	Feb. 14	Mar. 25	40	·36	Feb. 20	Mar. 25	34	·02
Leicester.....4	Loughborough (Nanpantan Res.)	..	..	..	..	..	..	..	Jan. 9	Jan. 23	15	·04
		Feb. 20	Mar. 25	34	Feb. 11	Mar. 25	43	·36	Feb. 19	Mar. 25	35	·02
		..	..	..	..	..	..	..	Jul. 28	Aug. 14	18	·07
Lincoln.....3	Horncastle	Feb. 24	Mar. 11	16	Feb. 12	Mar. 27	44	·29	Feb. 19	Mar. 26	36	·04
		..	..	..	..	..	..	..	Jul. 30	Aug. 14	16	·02
Nottingham....5	Mansfield (Carr Bank).....	..	..	..	Jan. 7	Feb. 7	32	·30	Jan. 7	Jan. 29	23	·10
		Feb. 20	Mar. 25	34	Feb. 11	Mar. 27	45	·38	Feb. 20	Mar. 27	36	·05
		..	..	..	..	..	..	..	Jul. 28	Aug. 14	18	·06
		..	..	..	..	..	..	..	Sep. 2	Sep. 16	15	·01
Cheshire.....2	Northwich (Hunts Lock).....	..	..	..	Feb. 14	Mar. 27	42	·29	Feb. 19	Mar. 27	37	·08
		..	..	..	..	..	..	..	Jul. 28	Aug. 13	17	·10
,, ...3	Birkenhead (Bidston Obsy.)....	Feb. 23	Mar. 24	30	Feb. 14	Mar. 27	42	·33	Feb. 19	Mar. 24	34	·02
N. Lancashire..5	Squires Gate (Blackpool Airport)	Feb. 20	Mar. 24	33	Feb. 14	Mar. 27	42	·39	Feb. 17	Mar. 24	36	·05
		..	..	..	..	..	..	..	Jul. 26	Aug. 11	17	·04
W.R. Yorks....8	Wakefield (Clarence Park).....	..	..	..	Jan. 1	Jan. 29	29	·28	Jan. 9	Jan. 29	21	·09
		Feb. 20	Mar. 25	34	Feb. 14	Mar. 27	42	·25	Feb. 20	Mar. 27	36	·06
		..	..	..	..	..	..	..	Jun. 19	Jul. 7	19	·11

Table 3c. Droughts and Dry Spells in 1953 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
ENGLAND AND WALES (*continued*)				days			days	in.			days	in.
E.R. Yorks.....3	Hull (Pearson Park).....	Feb. 20	Mar. 10	19	Feb. 12	Mar. 27	44	·36	Feb. 14	Mar. 26	41	·13
		..	..	..	..	..	..	..	Sep. 2	Sep. 16	15	·02
		..	..	..	..	..	..	..	Sep. 21	Oct. 11	21	·08
N.R. Yorks.....2	Felixkirk (Mount St. John)....	Feb. 20	Mar. 10	19	Feb. 14	Apr. 3	49	·49	Feb. 17	Mar. 10	22	·02
		..	..	..	..	..	..	..	Mar. 12	Mar. 31	20	·05
		..	..	..	..	..	..	..	Sep. 2	Sep. 16	15	·01
		..	..	..	..	..	..	..	Nov. 25	Dec. 12	18	·20
,, ...5	Scarborough.....	Feb. 17	Mar. 10	22	Feb. 12	Apr. 1	49	·43	Feb. 17	Mar. 10	22	·00
		Mar. 12	Mar. 26	15	..	..	..	..	Mar. 12	Mar. 29	18	·04
		..	..	..	..	..	..	..	Sep. 2	Sep. 16	15	·01
Durham 2	Durham (Houghall Hort. Stn.).	..	..	..	..	..	..	..	Jan. 15	Feb. 1	18	·06
		Mar. 12	Mar. 29	18	Feb. 14	Mar. 31	46	·21	Feb. 17	Mar. 29	41	·02
		..	..	..	..	..	..	..	Sep. 2	Sep. 18	17	·03
Northumberland6	Ilderton (Lilburn Tower Gdns.)	Feb. 25	Mar. 24	28	Feb. 14	Apr. 3	49	·44	Feb. 17	Mar. 24	36	·01
		..	..	..	..	..	..	..	Jun. 17	Jul. 4	18	·07
		..	..	..	..	..	..	..	Sep. 2	Sep. 16	15	·02
Cumberland....1	Geltsdale.....	Feb. 27	Mar. 24	26	Feb. 21	Mar. 24	32	·27	Feb. 27	Mar. 24	26	·00
,, ...2	Keswick (High Hill).....	Feb. 27	Mar. 24	26	..	..	..	..	Feb. 26	Mar. 24	27	·01
Westmorland...2	Ambleside.....	Mar. 7	Mar. 24	18	Feb. 25	Mar. 26	30	·28	Feb. 26	Mar. 24	27	·02
Glamorgan.....7	Cardiff (Penylan).....	..	..	..	..	..	..	..	Jan. 11	Jan. 25	15	·05
		..	..	..	Feb. 19	Mar. 25	35	·30	Feb. 22	Mar. 15	22	·04
		Jul. 31	Aug. 14	15	..	..	..	..	Jul. 31	Aug. 14	15	·00
Carmarthen 2	Llanddeusant (Pontcrynfe)	..	..	..	..	..	..	..	Jan. 6	Jan. 25	20	·12
		..	..	..	Feb. 24	Mar. 26	31	·22	Feb. 24	Mar. 15	20	·03
Pembroke.....4	Tenby (The Priory).....	Feb. 24	Mar. 14	19	Feb. 21	Mar. 25	33	·31	Feb. 24	Mar. 14	19	·00
Radnor.....1	Birmingham W.W. (Tyrmynydd)	Feb. 24	Mar. 15	20	Feb. 23	Mar. 25	31	·27	Feb. 24	Mar. 15	20	·00
Montgomery ...5	Lake Vyrnwy (Expermtl. Stn.)	..	..	..	..	..	..	..	Jan. 6	Jan. 23	18	·10
		Feb. 24	Mar. 15	20	Feb. 23	Mar. 26	32	·31	Feb. 24	Mar. 24	29	·02
Merioneth 5	Aberdovey (Plâs Penhelig).....	..	..	..	Feb. 24	Mar. 26	31	·23	Feb. 24	Mar. 15	20	·02
Anglesey.....	Llanerchymedd (Llywdiarth Esg.)	Feb. 27	Mar. 15	17	Feb. 19	Mar. 24	34	·29	Feb. 25	Mar. 24	28	·04
ISLE OF MAN	Douglas (Borough Cemetery)..	Mar. 7	Mar. 24	18	Feb. 17	Mar. 24	36	·26	Feb. 25	Mar. 24	28	·03

Table 3c. Droughts and Dry Spells in 1953 (*continued*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
SCOTLAND				days			days	in.			days	in.
Wigtown.....1	Castle Kennedy (Lochinch)....	..	..	..	Feb. 17	Mar. 24	36	·23	Feb. 20	Mar. 24	33	·13
Kirkcudbright..5	Lochrutton (Dumfries W.W.)..	Feb. 27	Mar. 23	25	Feb. 22	Mar. 24	31	·29	Feb. 25	Mar. 24	28	·03
Peebles.....2	Stobo Castle.....	Mar. 7	Mar. 24	18	Feb. 15	Mar. 24	38	·35	Feb. 25	Mar. 24	28	·04
Berwick.....4	Marchmont House.....	Feb. 21	Mar. 24	32	Feb. 14	Mar. 31	46	·40	Feb. 14	Mar. 27	42	·04
Lanark.....5	Strathaven (Glengavel Res.)....	Mar. 7	Mar. 24	18	..	..	..	..	Feb. 27	Mar. 24	26	·03
Renfrew.....3	Greenock (Prospect Hill).....	Mar. 7	Mar. 24	18	..	..	..	..	Mar. 7	Mar. 24	18	·00
		..	..	..	..	..	..	..	Apr. 29	May 13	15	·06
Stirling.....1	Falkirk (Arnotdale).....	Feb. 27	Mar. 24	26	Feb. 25	Mar. 26	30	·28	Feb. 27	Mar. 24	26	·00
Argyll.....14	Islay (Eallabus).....	Mar. 7	Mar. 24	18	..	..	..	..	Mar. 7	Mar. 24	18	·00
,, ...14	Tiree Airport.....	Mar. 7	Mar. 24	18	..	..	..	..	Mar. 7	Mar. 24	18	·00
Fife.....3	Leuchars Airfield.....	..	..	..	Jan. 5	Feb. 7	34	·34	Jan. 5	Jan. 23	19	·05
		Feb. 25	Mar. 24	28	Feb. 11	Mar. 27	45	·34	Feb. 25	Mar. 27	31	·01
		..	..	..	..	..	..	..	Apr. 29	May 13	15	·02
Perth.....11	Aberfeldy (Tigh'n Eilean).....	..	..	..	26. xii. 52	Jan. 25	31	·30	28. xii. 52	Jan. 11	15	·09
		Feb. 26	Mar. 24	27	Feb. 23	Mar. 27	33	·30	Feb. 25	Mar. 24	28	·01
		..	..	..	..	..	..	..	Apr. 29	May 13	15	·03
Aberdeen.....1	Braemar (Bank).....	Mar. 7	Mar. 24	18	Feb. 14	Mar. 27	42	·28	Feb. 25	Mar. 24	28	·04
		..	..	..	..	..	..	..	Apr. 29	May 13	15	·04
,, ...2	Dyce (Craibstone).....	Feb. 25	Mar. 26	30	Feb. 14	Mar. 31	46	·44	Feb. 15	Mar. 29	43	·04
		Jun. 17	Jul. 1	15	..	..	..	..	Jun. 17	Jul. 3	17	·02
		..	..	..	..	..	..	..	Sep. 30	Oct. 15	16	·08
,, ...4	Peterhead (Forehill Works)....	..	..	..	Feb. 14	Mar. 31	46	·44	Feb. 20	Mar. 25	34	·07
Banff.....3	Ballindalloch	..	..	..	Feb. 19	Mar. 24	34	·34	Mar. 7	Mar. 24	18	·02
		..	..	..	..	..	..	..	Apr. 30	May 14	15	·04
Nairn 2	Nairn (Achareidh).....	..	..	..	..	..	..	..	Jan. 7	Jan. 23	17	·10
		..	..	..	Feb. 25	Mar. 27	31	·27	..	..	..	..
		..	..	..	..	..	..	..	May 3	May 18	16	·05
		..	..	..	..	..	..	..	Jun. 19	Jul. 3	15	·07
		..	..	..	..	..	..	..	Sep. 3	Sep. 18	16	·04
Inverness 2	Dalwhinnie.....	Mar. 7	Mar. 24	18	..	..	..	..	Mar. 7	Mar. 24	18	·00
,, ...6	Loch Ness (Garthbeg).....	..	..	..	..	..	..	..	Feb. 27	Mar. 24	26	·03
,, ...17	Fort William (Teviot).....	..	..	..	..	..	..	..	May 30	Jun. 13	15	·05
Caithness 2	Wick Airfield	..	..	..	..	..	..	..	Jun. 18	Jul. 3	16	·04

Table 3c. Droughts and Dry Spells in 1953 (*concluded*)

County and River Division	Station	Absolute Droughts			Partial Droughts				Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain	Began	Ended	Lasted	Rain
NORTHERN IRELAND				days			days	in.			days	in.
Fermanagh.....1	Enniskillen (Bellevue).....	..	..	..	Feb. 15	Mar. 27	41	·40	Feb. 25	Mar. 24	28	·09
,, ...1	Belleek (Roscor).....	Mar. 7	Mar. 24	18	..	..	..	..	Feb. 27	Mar. 24	26	·02
Armagh 5	Armagh Observatory.....	Feb. 28	Mar. 24	25	Feb. 27	Mar. 30	32	·28	Feb. 27	Mar. 24	26	·01
Down 4	Donaghadee (Orlock Reservoir)	Feb. 25	Mar. 24	28	Feb. 14	Apr. 10	56	·38	Feb. 17	Mar. 24	36	·04
Antrim 5	Ballymena (Harryville).....	Feb. 27	Mar. 24	26	Feb. 25	Mar. 29	33	·28	Feb. 25	Mar. 24	28	·03
Tyrone.....3	Omagh (Edenfel).....	Mar. 7	Mar. 24	18	Feb. 21	Mar. 24	32	·30	Feb. 25	Mar. 24	28	·03

4 Rain Spells and Wet Spells in 1953

The definitions of the terms "rain spell" and "wet spell" as used in this section, are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A **rain spell** is a period of at least 15 consecutive days to each of which is credited ·01 inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited ·04 inch of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet-days.

Table 4C contains particulars of all rain spells and wet spells during 1953 which were reported from the 82 selected stations of Table 2B. Stations from which no rain spells or wet spells were reported are omitted from this table. The number of stations omitted is 49, of which 40 are in England and Wales and 7 in Scotland.

The dates of commencement of rain spells and wet spells which began in December 1952 are given in the form "27. xii. 52" to distinguish them from spells occurring in December 1953. Some of these rain spells and wet spells were by the end of 1952 of sufficient duration to qualify for inclusion in Table 4C for that year, and the complete details of such spells are now given in italics. Thus Loch Shin gave both a rain spell and a wet spell which had already been counted in the 1952 volume. As this rain spell and wet spell have already been included for 1952 in Tables 4A and 4B, they are not again counted in 1953, although that part of the duration and amount of rain in these spells which relates to 1953 is included in arriving at the mean duration and the mean rain per day.*

In 1953 the total number of rain spells at the selected stations was 65 and of these 16 ranked as or included wet spells.

The number of rain spells recorded in 1953 was smaller than in any year since 1943 (see Table 4A).

The longest rain spell, 31 days with 5·63 inches, was recorded at Geltsdale, near Carlisle, but many other rain spells of shorter duration gave larger amounts of rain. Thus, at Inveraray 14·93 inches was recorded in 18 days from October 29 to November 15.

Most of the 65 rain spells occurred at stations in Scotland, Northern Ireland, the English Lake District and the south-west of England and Wales. They occurred at one or more of the selected stations in each month of the year, but 25 occurred between October 19 and November 21 and 14 between July 2 and August 9. At Loch Shin there were as many as six rain spells during the year.

Of the 16 wet spells during 1953, 15 occurred between October 19 and November 16. Applecross, in the north-west of Scotland, recorded a wet spell also from September 18 to October 3, while Loch Shin completed a wet spell which had already been counted in 1952. The wet spells were confined to the western half of Scotland, the English Lake District, and Belleek in Co. Fermanagh. The longest wet spell lasted 29 days from October 19 to November 16 at Mull, when 16·18 inches fell.

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall* 1926.

Table 4A. Rain Spells* at 82 Stations, 1943–1953

Year	No. of rain spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
			in.		in.				
1943 ..	98	22	·27	42	·28	42	26	9	5
1944 ..	95	21	·26	67	·19	35	35	10	2
1945 ..	86	19	·26	40	·24	35	37	9	1
1946 ..	134	21	·28	42	·18	22	42	15	3
1947 ..	82	20	·26	34	·20	26	48	8	0
1948 ..	107	21	·30	54	·37	37	29	10	6
1949 ..	109	22	·30	41	·44	48	14	14	6
1950 ..	139	21	·30	50	·35	35	23	12	12
1951 ..	112	19	·28	49	·47	23	44	13	2
1952 ..	115	20	·24	40	·34	36	27	14	5
1953 ..	65	20	·29	40	·18	50	24	6	2

* At least ·01 inch each day for 15 days or more.

Table 4B. Wet Spells† at 82 Stations, 1943–1953

Year	No. of wet spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
			in.		in.				
1943 ..	15	21	·37	26	·63	71	10	1	0
1944 ..	21	18	·63	25	·49	66	16	0	0
1945 ..	22	16	·35	20	·41	65	17	0	0
1946 ..	42	19	·38	37	·40	57	22	3	0
1947 ..	21	17	·35	25	·25	64	18	0	0
1948 ..	28	19	·38	31	·28	63	17	2	0
1949 ..	32	20	·40	34	·54	68	10	2	2
1950 ..	38	19	·41	38	·64	61	15	6	0
1951 ..	23	18	·42	32	·39	66	15	1	0
1952 ..	24	18	·38	26	·31	66	14	1	1
1953 ..	16	19	·44	29	·56	67	15	0	0

† At least ·04 inch each day for 15 days or more.

Table 4C. Rain Spells and Wet Spells in 1953

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND AND WALES				days	in.			days	in.		in.
Cornwall.....4	Scilly (Tresco Abbey).....	Oct. 20	Nov. 4	16	2·62	..	..	..	..	Oct. 26	·56
Somerset.....3	Taunton (Vivary Park).....	18.xii.52	Jan. 1	15	1·69	..	..	..	..	20.xii.52	·57
Northumb....6	Ilderton (Lilburn Tower Gdns.)..	*13.xii.52*	*Jan. 2*	*21*	*4·61*	..	..	..	..	27.xii.52	1·31
Cumberland..1	Geltsdale.....	Jul. 5	Aug. 4	31	5·63	..	..	..	..	Jul. 27	·66
,, ..2	Keswick (High Hill).....	*15.xii.52*	*Jan. 1*	*18*	*3·97*	..	..	..	..	16.xii.52	1·13
		Jul. 5	Jul. 30	26	6·50	..	..	..	..	Jul. 13	·94
		Oct. 29	Nov. 16	19	7·97	Oct. 29	Nov. 16	19	7·97	Nov. 11	1·42
Westmorland .2	Ambleside.....	Jul. 5	Jul. 30	26	9·63	..	..	..	..	Jul. 24	1·61
		Oct. 29	Nov. 16	19	10·77	Oct. 29	Nov. 16	19	10·77	Nov. 11	1·15
		..	..	..	..	..	..	..	..	Nov. 14	1·15
Carmarthen ..2	Llanddeusant (Pontcrynfe).....	*8.xii.52*	*Jan. 1*	*25*	*4·10*	..	..	..	..	24.xii.52	·55
		Oct. 22	Nov. 14	24	9·26	..	..	..	..	Oct. 24	1·49
Pembroke....4	Tenby (The Priory).....	Oct. 20	Nov. 14	26	6·25	..	..	..	..	Oct. 24	·72
Anglesey.....	Llanerchymedd (Llwydiarth Esgob)	Oct. 26	Nov. 14	20	5·47	..	..	..	..	Nov. 13	1·15
SCOTLAND											
Kirkcudbright 5	Lochrutton (Dumfries W.W.)....	Sep. 14	Oct. 1	18	4·34	..	..	..	..	Sep. 19	·84
		Oct. 22	Nov. 16	26	8·03	..	..	..	..	Oct. 27	·88
Peebles 2	Stobo Castle.....	Sep. 15	Oct. 2	18	2·72	..	..	..	..	Sep. 21	·39
		Oct. 29	Nov. 16	19	3·95	..	..	..	..	Oct. 31	·57
Lanark 5	Strathaven (Kype Reservoir).....	Oct. 26	Nov. 16	22	8·18	Oct. 29	Nov. 15	18	7·37	Nov. 11	·96
Renfrew.....3	Greenock W.W. (Prospect Hill)..	Oct. 29	Nov. 15	18	10·04	Oct. 29	Nov. 15	18	10·04	Nov. 6	1·86
Argyll 11	Inveraray Castle Gardens.....	Mar. 25	Apr. 16	23	6·76	..	..	..	..	Mar. 29	1·02
		Oct. 29	Nov. 15	18	14·93	Oct. 29	Nov. 15	18	14·93	Nov. 6	2·22
,, ...14	Islay (Eallabus).....	Oct. 29	Nov. 16	19	8·72	Oct. 29	Nov. 15	18	8·69	Oct. 29	·97
		Dec. 17	Dec. 31	15	3·08	..	..	..	..	Dec. 23	·43
		..	..	..	..	..	..	..	..	Dec. 24	·43
,, ...14	Mull (Gruline).....	Feb. 12	Feb. 26	15	4·34	..	..	..	..	Feb. 16	1·02
		Jul. 11	Jul. 28	18	4·41	..	..	..	..	Jul. 21	1·05
		Aug. 14	Sep. 2	20	9·69	..	..	..	..	Aug. 14	1·71
		Sep. 14	Oct. 3	20	8·25	..	..	..	..	Sep. 17	1·96
		Oct. 19	Nov. 16	29	16·18	Oct. 19	Nov. 16	29	16·18	Oct. 29	2·00

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table 4c. Rain Spells and Wet Spells in 1953 (*continued*)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
SCOTLAND (*continued*)				days	in.			days	in.		in.
Argyll 14	Tiree Airport.....	Aug. 13	Aug. 27	15	3·00	..	..	..	..	Aug. 16	·61
		Oct. 20	Nov. 15	27	9·89	Oct. 29	Nov. 14	17	7·98	Nov. 1	1·63
Aberdeen 1	Braemar (Bank).....	Aug. 19	Sep. 2	15	2·01	..	..	..	..	Sep. 2	·41
,, ...2	Dyce (Craibstone).....	Jul. 2	Jul. 18	17	2·91	..	..	..	..	Jul. 8	·56
Banff.....3	Ballindalloch	Jul. 7	Jul. 24	18	5·33	..	..	..	..	Jul. 13	2·45
Inverness.....2	Dalwhinnie.....	Jul. 20	Aug. 3	15	3·31	..	..	..	..	Jul. 29	·54
		Oct. 29	Nov. 15	18	7·11	Oct. 29	Nov. 15	18	7·11	Nov. 6	1·10
,, ...6	Loch Ness (Garthbeg).....	Jul. 4	Jul. 18	15	2·44	..	..	..	..	Jul. 9	·29
		..	..	..	..	..	..	..	..	Jul. 14	·29
		Sep. 17	Oct. 3	17	2·29	..	..	..	..	Sep. 23	·37
		Oct. 29	Nov. 15	18	4·78	..	..	..	..	Nov. 6	1·29
,, ...17	Fort William (Teviot).....	Jul. 11	Jul. 29	19	4·44	..	..	..	..	Jul. 28	·71
		Oct. 20	Nov. 15	27	14·38	Oct. 29	Nov. 15	18	11·70	Nov. 6	3·05
Ross and Cromarty 7	Inverbroom (Glackour)	Jan. 17	Jan. 31	15	5·19	..	..	..	..	Jan. 28	1·45
		Sep. 17	Oct. 7	21	4·48	..	..	..	..	Sep. 22	·74
		Nov. 2	Nov. 16	15	6·44	..	..	..	..	Nov. 6	1·16
,, ...9	Applecross (Milton)	Jul. 17	Aug. 1	16	2·88	..	..	..	..	Jul. 22	·40
		Aug. 14	Sep. 2	20	5·28	..	..	..	..	Aug. 21	1·05
		Sep. 16	Oct. 3	18	3·61	Sep. 18	Oct. 3	16	3·55	Sep. 30	·78
		Oct. 20	Nov. 16	28	7·26	Oct. 26	Nov. 15	21	6·20	Nov. 6	1·05
,, ...10	Stornoway Airfield.....	Feb. 11	Feb 25	15	2·16	..	..	..	..	Feb. 22	·58
		Sep. 18	Oct. 3	16	2·00	..	..	..	..	Sep. 29	·52
		Oct. 19	Nov. 11	24	5·01	Oct. 20	Nov. 11	23	5·00	Nov. 6	·55
Sutherland ...1	Loch Shin (Corrykinloch).....	*5.xii.52*	*Jan. 2*	*29*	*9·02*	*7.xii.52*	*Jan. 1*	*26*	*8·80*	16.xii.52	1·89
		Jan. 17	Feb. 1	16	7·24	..	..	..	..	Jan. 28	1·79
		Feb. 3	Feb. 25	23	6·32	..	..	..	..	Feb. 22	·72
		May 19	Jun. 3	16	4·30	..	..	..	..	May 25	·64
		Jul. 20	Aug. 9	21	4·32	..	..	..	..	Jul. 27	·78
		Oct. 29	Nov. 21	24	11·11	Oct. 29	Nov. 16	19	8·50	Nov. 6	1·54
		Dec. 16	Dec. 31	16	5·81	..	..	..	..	Dec. 24	1·30
,, ...4	Tongue	*10.xii.52*	*Jan. 1*	*23*	*3·95*	..	..	..	..	30.xii.52	·46
		May 19	Jun. 5	18	2·87	..	..	..	..	May 22	·52
		Oct. 29	Nov. 20	23	3·69	Nov. 2	Nov. 16	15	2·96	Nov. 6	·60
Caithness 2	Wick Airfield	Jul. 3	Jul. 18	16	2·70	..	..	..	..	Jul. 7	·89

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

Table 4C. Rain Spells and Wet Spells in 1953 (*concluded*)

County and River Division	Station	Rain Spells*				Wet Spells†				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
NORTHERN IRELAND				days	in.			days	in.		in.
Fermanagh . . . 1	Enniskillen (Bellevue)	Jul. 4	Jul. 30	27	4·33	..	..	..	..	Jul. 26	·73
		Aug. 13	Sep. 2	21	3·46	..	..	..	..	Aug. 30	·62
		Oct. 28	Nov. 19	23	4·53	..	..	..	..	Nov. 1	1·78
,, . . 1	Belleek (Roscor)	Aug. 13	Sep. 2	21	4·53	..	..	..	..	Aug. 30	·65
		Oct. 28	Nov. 15	19	6·47	Oct. 29	Nov. 15	18	6·46	Nov. 1	1·51
Antrim 5	Ballymena (Harryville)	Dec. 8	Dec. 31	24	1·82	..	..	..	..	Dec. 26	·30
Tyrone 3	Omagh (Edenfel)	Jul. 4	Jul. 30	27	6·07	..	..	..	..	Jul. 7	·82
		Aug. 13	Sep. 2	21	3·52	..	..	..	..	Aug. 14	·60
		Oct. 28	Nov. 15	19	4·87	..	..	..	..	Nov. 14	·77

* At least 15 days, each credited with ·01 inch or more.

† At least 15 days, each credited with ·04 inch or more.

5 Duration of Rainfall in 1953

The duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the chart during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate of not less than 0·1 mm. per hour, *i.e.* ·004 inch per hour. The tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, for very light rainfall, it was found to be almost impossible to define the exact point on the chart where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0·1 mm. (·004 inch) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 145 stations. Other records of duration are received but the published list gives a good representation over the country. At most of the stations records were obtained from a tilting-siphon rain recorder.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

Values of the average monthly and annual duration 1931–1940 at 50 stations and the corresponding mean rates of rainfall at 14 well distributed stations were given in *British Rainfall* 1948, pp. 30–31.

The duration of rainfall in 1953 was less than average in all parts of the country, the deficiency at Camden Square (London) being 81 hours.

The duration for the year exceeded 1,000 hours at Keswick, in the English Lake District, on Snowdon, and at five stations in Scotland, *viz.*, Eskdalemuir, Calder Water, Loch Sloy, Loch Fyne and Fort William; the largest total was again at Loch Sloy Power Station with 1,610 hours, or 226 hours more than in 1952. As many as 18 stations in the Table recorded less than 350 hours of rain (or one hour a day), the smallest totals being about 300 hours at Chelmsford, Kensington Palace, Wembley, Kingston-upon-Thames, Kew, Maidenhead and Slough. The total at Camden Square (London) of 398 hours was less than in any year since 1902 apart from 1921, 1933, 1944 and 1949, the smallest total being 269 hours in 1921.

Over most of the country the month with the greatest totals of duration—and also the largest rainfall amounts—was November, but over south-east England it was April, October

or July, and over the Midlands, June. At Camden Square (London) the total for April of 56 hours was larger than in any April since 1939.

The largest individual monthly totals in the Table were recorded at stations in Scotland, north-west England and the Welsh mountains —and occurred in November: Loch Sloy in Dunbartonshire had 252 hours and an amount of 19·28 inches; Fort William 236 hours and 15·83 inches; Calder Water, in Renfrewshire, 215 hours and Loch Fyne 199 hours. The largest monthly total in England was 191 hours, recorded at Keswick, and in Wales 139 hours at Taf Fechan in Brecknockshire (but this was equalled at Snowdon in February). Castle Archdale in County Fermanagh recorded 107 hours.

The month with the shortest total duration of rainfall was, in most areas, March—which also had small amounts of rainfall generally—but it was January over much of South Wales and at a number of stations in England including Ross-on-Wye, Leeds and Bristol, whilst September gave least duration in Northamptonshire, Nottinghamshire, Lincolnshire and Leicestershire. Other months gave the shortest duration at isolated stations, e.g., April at Pembroke Dock, May at Aberporth and in Cheshire, June at Fort William and Lerwick, October at Lake Vyrnwy and December at Slough.

The lowest monthly durations were recorded in March, at stations in the north-east of England: Thirsk with 2·5 hours for a total fall of ·05 inch, Middleton St. George with 3·3 hours and ·11 inch, and Middlesbrough with 3·5 hours and ·20 inch. Dyce and Rattray Head (both in Aberdeenshire), Ronaldsway (Isle of Man) and Armagh recorded 4 hours.

Table 5B sets out the mean monthly and annual values of rate of rainfall at 15 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration given in Table 5A. The mean rates for the year at the 15 stations vary from ·058 inch per hour at Pembroke Dock and Lerwick Observatory to ·041 inch per hour at Mildenhall Airfield. To a large extent, the highest mean rates are to be looked for at stations with high rainfall for the year, but there is no simple rule since on the one hand some stations with high rainfall are also subject to long periods of light precipitation, while on the other a station with a relatively low annual total may receive a substantial proportion of this in the form of heavy thundery showers. For individual months there are even wider variations from station to station, illustrated in Table 5B by the range from ·109 inch per hour at Bristol in August (5·32 inches with a duration of 48·9 hours) to ·020 inch per hour at Thirsk in March.

Table 5A. Duration of Rainfall at 145 Stations during 1953 (Monthly and Annual values)

County and River Division	Station	Type of Recorder	H't above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
London 2	Kensington Palace.....	Nat. Siphon	80	18	28	7	39	28	28	39	23	27	32	15	16	300
,, ...2	St. Pancras (Camden Square)..	Tilt. Siphon	110	27	43	10	56	32	25	50	31	31	42	21	30	398
Surrey 2	Lingfield (Sewage Works)	Tilt. Siphon	155	34	31	8	50	27	28	40	22	43	62	29	24	398
,, ...4	Caterham (Alderstead Heath)..	Tilt. Siphon	577	26	40	13	58	38	35	50	30	41	50	32	23	436
,, ...4	Croydon Airport.....	Tilt. Siphon	202	24	27	14	65	37	23	43	24	34	53	19	26	389
,, ...4	Beddington Park.....	Tilt. Siphon	108	21	31	11	48	28	26	43	20	33	46	17	19	343
,, ...5	Dorking (Pixham Lane S.W.)..	Nat. Siphon	138	40	32	13	50	37	31	43	23	37	54	29	18	407
,, ...5	Leatherhead (Elmer Works) ...	Tilt. Siphon	170	26	33	14	55	36	33	48	23	40	52	23	17	400
,, ...5	Weybridge (Weyland S.W.)....	Tilt. Siphon	50	24	28	6	41	29	27	43	20	30	42	16	18	324
,, ...5	Kingston (Canbury Gardens) ..	Nat. Siphon	23	18	32	8	38	27	24	41	17	31	40	14	15	305
,, ...5	Kew Observatory	Tilt. Siphon	18	20	29	8	43	25	27	41	22	28	41	16	15	315
,, ...6	Shottermill (Sewage Works) ...	Tilt. Siphon	383	33	35	9	53	36	37	42	27	34	48	30	21	405
,, ...8	Camberley (Sewage Works)....	Tilt. Siphon	198	15	33	8	53	32	24	45	20	24	52	16	20	342
Kent 1	Folkestone (The Leas)	Tilt. Siphon	128	34	58	6	46	22	35	41	35	39	48	31	25	420
,, ...2	Lympne Airport	Tilt. Siphon	342	38	71	6	52	22	39	42	38	37	53	36	38	472
,, ...4	West Malling Airfield.....	Tilt. Siphon	304	32	35	7	58	25	32	39	33	51	51	22	34	419
,, ...4	Strood (Waterworks)	Nat. Siphon	112	32	39	12	56	25	24	54	46	42	50	21	41	442
,, ...5	Beckenham (Croydon Road)...	Nat. Siphon	110	37	43	9	58	38	33	57	29	41	55	20	33	453
Sussex 1	Tangmere Airfield.....	Tilt. Siphon	54	35	45	11	56	38	27	48	32	45	46	36	25	444
,, ...3	Worthing (Beach House Park) .	Tilt. Siphon	25	31	27	5	48	28	16	37	24	47	44	28	24	359
,, ...5	Polegate (Winfield Farm).....	Nat. Siphon	35	35	34	8	52	23	24	42	27	41	46	34	25	391
,, ...8	Crawley (Broadfield)	Tilt. Siphon	300	40	33	9	65	36	37	53	32	56	59	35	21	476
Hampshire ..8	South Farnborough (R.A.E.) ..	Tilt. Siphon	228	20	50	8	53	31	33	48	29	32	48	22	22	396
Berkshire....3	Maidenhead (Sewage Works) ..	Hyetograph	83	13	33	9	47	25	20	46	24	27	39	19	13	315
,, ...4	Reading (Caversham Lock) ...	Tilt. Siphon	124	20	43	10	47	37	26	41	40	42	48	23	16	393
,, ...5	Abingdon Airfield.....	Tilt. Siphon	210	37	51	17	58	32	41	46	36	38	46	32	26	460
Middlesex ...1	Isleworth (Mogden Works)....	Tilt. Siphon	33	18	32	8	47	29	27	48	27	31	45	18	15	345
,, ...1	London Airport.....	Tilt. Siphon	84	16	43	8	57	30	30	41	22	25	36	17	18	343
,, ...1	Wembley (Town Hall)	Hyetograph	187	15	39	6	30	23	18	43	25	28	40	21	13	301
Hertford 2	Garston (Building Research Stn.)	Tilt. Siphon	250	26	53	10	59	27	34	51	30	33	45	25	18	411
,, ...2	North Mimms (Pumping Stn.) .	Tilt. Siphon	256	16	33	9	48	23	30	56	26	31	39	19	13	343
,, ...2	Harpenden (Rothamsted)	Nat. Siphon	420	25	66	13	60	31	43	53	29	29	56	25	25	455
Buckingham .3	Eton (Tangier Island).....	Nat. Siphon	69	16	46	7	48	28	27	49	29	32	48	22	16	368
,, .3	Slough (Baylis House)	Tilt. Siphon	90	24	24	19	37	22	28	43	24	23	37	18	16	315
Oxford.....4	Benson Airfield	Tilt. Siphon	220	23	42	11	56	30	34	46	24	31	41	26	21	385

Table 5A. Duration of Rainfall at 145 Stations during 1953 (Monthly and Annual values) (*continued*)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Northampton 4	Peterborough (Sewage P.S.) ...	Nat. Siphon	9	43	59	17	44	19	51	27	29	11	34	34	15	383
Bedford 3	Silsoe (Wrest Park)	Tilt. Siphon	195	25	46	11	40	25	33	35	27	22	41	24	18	347
,, ... 3	Cranfield Airport	Tilt. Siphon	348	41	61	20	57	31	51	47	36	23	52	33	33	485
Essex 3	Basildon (Dry Street Farm)....	Nat. Siphon	180	19	20	16	48	26	21	38	26	44	37	17	29	341
,, ... 2	Ilford (Valentines Park).....	"Float"	45	23	34	14	55	20	25	40	24	33	42	17	25	352
,, ... 4	Chelmsford (Sandford Mill) ...	Hyetograph	69	12	18	7	49	25	21	39	19	27	35	17	19	288
Suffolk 2	Ipswich (Belstead Hall)	Nat. Siphon	125	12	29	5	53	21	33	41	22	22	43	27	24	332
,, ... 5	Mildenhall Airfield	Tilt. Siphon	16	29	43	9	55	30	52	51	38	20	53	37	33	450
Norfolk 1	West Raynham Airfield	Tilt. Siphon	240	42	44	18	53	25	52	29	32	25	66	41	35	462
,, ... 2	Horsham St. Faith Airfield	Tilt. Siphon	99	46	50	20	50	29	36	33	29	25	60	33	35	446
Wiltshire 3	Porton (C.D.E.E.).....	Tilt. Siphon	364	14	31	9	48	39	32	46	20	42	43	29	21	374
,, ... 3	Boscombe Down Airfield.....	Tilt. Siphon	418	16	38	9	54	42	33	46	27	49	46	33	37	430
Dorset 3	Portland Bill	Tilt. Siphon	36	15	44	6	37	45	19	30	27	31	48	33	10	345
,, ... 3	Poole.....	Hyetograph	18	25	43	12	59	57	41	48	31	46	64	40	31	497
Devon, S. .. 2	Plymouth (Mount Batten).....	Tilt. Siphon	89	29	38	13	39	56	26	48	26	31	32	56	23	417
,, ...6	Exmouth (Salterton Road)	Tilt. Siphon	195	16	31	13	45	62	30	32	24	32	36	38	17	376
,, ...6	Exeter Airport.....	Tilt. Siphon	106	22	57	16	56	53	33	36	24	44	30	36	24	431
Devon, N ...1	Chivenor.....	Tilt. Siphon	22	65	60	23	52	48	34	68	42	68	46	84	33	623
Cornwall 1	St. Eval Airfield.....	Tilt. Siphon	337	39	34	16	48	41	42	56	33	37	33	50	34	463
Somerset 3	Bridgwater (Northmoor P.S.)..	Tilt. Siphon	23	17	28	11	52	32	33	36	32	40	35	41	27	384
,, ... 4	Minehead (Blenheim Gardens).	Nat. Siphon	35	23	32	19	55	43	35	42	27	52	35	47	29	439
Gloucester... 3	Cheltenham (Montpellier Gdns.)	"Float"	216	24	31	15	54	37	41	41	36	51	38	20	27	415
,, ...5	Bristol (Filton).....	Tilt. Siphon	192	21	51	27	65	52	38	50	49	56	44	45	27	525
,, ...7	Little Rissington Airfield	Tilt. Siphon	740	29	51	29	61	42	51	60	50	46	59	51	38	567
Hereford 1	Ross-on-Wye	Hyetograph	224	12	32	19	47	30	24	30	25	40	34	29	28	350
Shropshire... 4	Shawbury Airfield.....	Tilt. Siphon	235	20	42	23	44	32	56	42	38	40	33	39	27	436
,, ...4	Oswestry (Llwyn Terrace)	Hyetograph	430	21	45	19	50	41	35	40	34	48	22	54	21	430
Stafford 1	Keele (University College).....	Tilt. Siphon	589	41	71	22	64	38	89	63	53	46	41	47	42	617
Warwick 4	Elmdon (Birmingham Airport).	Tilt. Siphon	325	26	30	35	46	31	58	45	39	34	40	38	34	456
,, ... 4	Birmingham (Handsworth Park)	Hyetograph	424	28	35	31	45	27	61	40	42	35	31	43	38	456
Leicester 4	Loughborough (Nanpantan Res.)	Hyetograph	269	33	30	27	48	40	78	27	40	23	30	43	37	456
Rutland 1	Cottesmore Airfield	Tilt. Siphon	440	32	46	25	40	29	59	30	32	17	35	44	20	409
Lincoln 3	Cranwell Airfield.....	Tilt. Siphon	206	37	55	18	43	33	56	24	34	20	32	36	24	412
,, ... 3	Lincoln (West Common).....	Tilt. Siphon	22	25	48	20	42	33	48	36	37	18	31	39	26	403

Table 5A. Duration of Rainfall at 145 Stations during 1953 (Monthly and Annual values) (*continued*)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Nottingham .5	Watnall	Tilt. Siphon	367	35	49	28	41	38	62	40	34	17	31	48	38	461
Cheshire 1	Prestbury (Sewage Works)	Tilt. Siphon	320	31	35	33	46	25	63	49	51	37	31	49	33	483
,, ...1	Appleton Reservoir	Tilt. Siphon	120	29	33	22	50	29	42	48	46	33	29	43	29	433
,, ...1	Ringway (Manchester Airport)	Tilt. Siphon	248	27	34	25	52	23	51	43	47	31	30	43	27	433
,, ...1	Sale (Carrington Lane)	Tilt. Siphon	72	27	28	27	45	26	44	52	54	37	30	51	30	451
,, ...2	Congleton (Sewage Works)	Tilt. Siphon	247	33	47	26	49	28	66	49	54	41	35	45	31	504
,, ...3	Birkenhead (Bidston Obs'y)	Nat. Siphon	198	29	32	19	40	37	50	39	51	46	27	56	41	467
Lancs, S.....2	Speke (Liverpool Airport)	Tilt. Siphon	81	44	34	22	55	34	45	47	51	49	32	48	38	499
,, ...2	Liverpool (Monument Place)	Nat. Siphon	129	30	31	22	46	29	40	44	48	46	26	54	33	449
,, ...3	Bolton (Queens Park)	Tilt. Siphon	342	71	64	25	64	44	68	79	73	60	38	87	52	725
Lancs, C.....1	Accrington (Coppy Clough S.W.)	Tilt. Siphon	387	58	59	30	57	37	69	91	74	80	43	116	63	777
,, ...1	Squires Gate Airport	Tilt. Siphon	34	76	33	16	60	41	49	55	53	72	39	94	55	643
,, ...3	Southport (Hesketh Park)	Nat. Siphon	38	37	27	19	41	34	42	43	48	56	33	72	42	494
Lancs, N. ...1	Barrow-in-Furness (Sew. Works)	Nat. Siphon	24	46	31	5	51	26	29	40	36	52	41	109	38	504
Yorks, W.R..6	Finningley Airfield	Tilt. Siphon	32	13	43	14	31	23	36	32	45	19	30	35	28	349
,, 8	Dewsbury (Municipal Offices)	Hyetograph	225	25	45	15	42	12	55	47	58	24	27	38	36	424
,, 9	Leeds (Roundhay Park)	Tilt. Siphon	427	15	45	20	57	34	53	40	45	24	31	62	44	470
,, 9	Skipton (Town Hall)	Hyetograph	367	35	89	27	61	33	65	78	75	58	37	92	50	700
,, 10	Church Fenton Airfield	Tilt. Siphon	29	11	50	12	45	25	39	37	49	21	34	45	45	413
Yorks, E.R. .3	Driffield Airfield	Tilt. Siphon	71	30	65	14	59	29	35	31	40	24	29	56	78	490
Yorks, N.R. .2	Thirsk (Topcliffe Airfield)	Tilt. Siphon	81	11	45	2	39	17	50	30	39	27	35	48	29	372
,, 4	Farndale Vicarage	Hyetograph	495	29	50	10	81	30	65	57	43	31	48	89	49	582
,, 6	Middlesbrough (South Bank)	Nat. Siphon	43	24	44	3	37	15	43	41	36	21	34	42	24	364
Durham.....1	Darlington (Waterworks)	Tilt. Siphon	161	13	72	11	66	24	59	39	37	29	32	39	23	444
,, ...1	Middleton St. George	Tilt. Siphon	117	21	56	3	39	25	69	57	40	27	41	54	24	456
,, ...1	Forest-in-Teesdale	Tilt. Siphon	1250	26	91	28	88	40	68	92	87	82	37	133	63	835
Northumb. ..5	Acklington Airfield	Tilt. Siphon	138	22	33	6	54	40	64	48	48	43	30	46	50	484
Cumberland .1	Silloth Airfield	Tilt. Siphon	27	46	25	8	62	43	26	92	63	96	43	141	74	719
,, 2	Keswick (High Hill)	Tilt. Siphon	254	72	76	15	85	51	65	154	89	113	57	191	95	1063
,, 3	St. Bees Head Lighthouse	Tilt. Siphon	400	68	32	7	46	36	27	69	50	71	36	115	68	625
Glamorgan ..3	Swansea (Victoria Park)	Hyetograph	26	27	44	41	51	48	32	68	52	63	41	76	29	572
,, ..7	Cardiff (Penylan)	Nat. Siphon	202	17	72	35	54	61	32	62	45	81	51	94	41	645
Pembroke ...4	Pembroke Dock	Tilt. Siphon	34	54	60	46	33	64	51	67	46	63	40	77	36	637
Cardigan .. 2	Aberporth	Tilt. Siphon	378	52	49	51	56	43	68	68	53	67	50	102	50	709

Table 5A. Duration of Rainfall at 145 Stations during 1953 (Monthly and Annual values) (*continued*)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Brecknock...4	Taf Fechan (Pontsticill).....	Tilt. Siphon	1031	52	103	70	78	77	47	107	82	97	56	139	58	966
,, ...7	Swansea Waterwks (Cray Res.)	Tilt. Siphon	1043	32	77	75	83	71	51	115	73	90	63	136	59	925
Montgomery.5	Lake Vyrnwy (Exper. Station)..	Tilt. Siphon	995	42	82	55	58	44	38	84	48	79	32	102	42	706
Flint.....1	Hawarden Airfield	Tilt. Siphon	17	27	41	23	51	45	59	49	46	55	37	55	43	531
Denbigh 1	Wrexham (Grove Park School).	Hyetograph	277	20	41	17	40	32	39	26	32	42	25	41	32	387
Caernarvon..5	Snowdon (Cwm Dyli).....	Beckley	310	65	139	42	73	73	89	114	84	98	59	128	75	1039
Anglesey	Holyhead (Valley Airfield).....	Tilt. Siphon	26	55	60	18	72	51	33	56	54	70	48	97	52	666
Isle of Man..	Ronaldsway Airport.....	Tilt. Siphon	55	45	41	4	53	41	23	60	45	78	46	91	45	572
Channel Is...	St. Peter's (Jersey Airport)	Tilt. Siphon	275	20	33	5	70	31	21	35	19	33	29	34	24	354
Wigtown....3	West Freugh Airfield	Tilt. Siphon	52	91	54	5	37	37	24	73	43	79	49	78	75	645
Dumfries....5	Eskdalemuir Observatory	Tilt. Siphon	794	97	72	20	86	63	55	158	78	124	74	178	118	1123
Berwick.....3	Swinton House	Hyetograph	200	27	30	6	51	32	33	37	28	39	23	46	34	386
Midlothian ..5	Pentland Hills (Harperrig Res.)	Tilt. Siphon	907	29	40	14	78	56	53	89	40	66	51	131	80	727
,, ..5	Midcalder (Howden)	Tilt. Siphon	400	14	11	9	48	37	31	63	27	45	30	83	50	448
,, ..5	Turnhouse (Edinburgh Airport)	Tilt. Siphon	116	14	20	9	55	54	56	78	60	55	38	95	61	595
Lanark.....5	Thorntonhall	Tilt. Siphon	453	47	48	13	63	41	40	77	74	83	55	134	85	760
Ayr 3	Prestwick Airport	Tilt. Siphon	30	56	33	18	61	34	33	84	42	95	61	117	81	715
Renfrew.....2	Calder Water (Muirshiel Mill)	Tilt. Siphon	782	117	126	54	120	66	68	141	110	178	119	215	145	1459
,, ...2	Renfrew (Glasgow Airport)....	Tilt. Siphon	29	38	47	19	46	38	36	65	47	81	56	126	85	684
Dunbarton ..3	Loch Sloy (Power Station)	Tilt. Siphon	41	180	134	68	113	102	48	138	126	154	150	252	145	1610
Argyll ... .11	Loch Fyne (Lephinmore).....	Tilt. Siphon	30	95	94	27	92	54	34	101	82	123	109	199	111	1121
,, ...14	Tiree Airport	Tilt. Siphon	31	97	89	29	74	42	53	84	89	104	99	126	95	981
Fife 1	Dunfermline.....	Tilt. Siphon	237	16	16	8	35	32	30	57	30	37	28	67	46	402
,, ...2	Glenrothes (Woodside)	Tilt. Siphon	273	22	26	12	52	46	46	59	41	55	35	84	54	532
,, ...3	Leuchars Airfield	Tilt. Siphon	34	23	30	11	56	53	27	56	42	45	53	60	71	527
Aberdeen....1	Balmoral Castle Gardens.....	Nat. Siphon	927	22	28	8	75	40	57	45	23	46	16	44	47	451
,, ...1	Mannofield Reservoir.....	Tilt. Siphon	171	24	36	5	59	58	64	64	35	67	33	52	83	580
,, ...2	Dyce (Aberdeen Airport).....	Tilt. Siphon	187	30	45	4	58	43	60	78	35	70	30	56	66	575
,, ...4	Rattray Head.....	Tilt. Siphon	85	47	50	4	36	43	57	44	43	57	35	53	55	524
Moray 4	Elgin (Cemetery).....	Tilt. Siphon	93	38	33	15	46	39	49	56	42	38	17	37	45	455
,, ...5	Kinloss Airfield	Tilt. Siphon	18	33	34	17	55	44	55	83	40	34	18	40	50	503
nverness....5	Dalcross Airfield	Tilt. Siphon	36	32	33	14	44	42	59	60	36	34	28	48	47	477
,, ...17	Fort William (Teviot).....	Hyetograph	35	158	127	38	97	68	25	128	107	120	127	236	162	1393
,, ...19	Barra (Loch an Duin)	Tilt. Siphon	120	88	81	28	62	39	48	77	63	88	128	131	100	933
,, ...19	Benbecula Airport...	Tilt. Siphon	18	89	89	31	82	42	45	78	72	65	123	133	88	937

Table 5A. Duration of Rainfall at 145 Stations during 1953 (Monthly and Annual values) (*concluded*)

County and River Division	Station	Type of Recorder	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
			ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Ross and Cromarty .10	Stornoway Airport	Tilt. Siphon	12	85	62	34	65	42	40	69	53	47	82	137	76	792
Caithness....2	Wick Airport	Tilt. Siphon	121	70	47	23	41	51	53	71	45	41	35	61	53	591
Orkney	Grimsetter Airport	Tilt. Siphon	85	137	78	43	50	60	58	58	39	75	56	108	70	832
Shetland	Lerwick Observatory	Tilt. Siphon	269	93	63	30	57	43	22	60	66	68	70	95	85	752
Fermanagh ..1	Castle Archdale Airfield	Tilt. Siphon	225	99	47	19	69	42	41	84	69	89	58	107	75	799
Armagh.....5	Armagh Observatory	Tilt. Siphon	204	28	28	4	52	40	43	63	50	43	51	76	63	541
Antrim.....5	Aldergrove Airfield	Tilt. Siphon	220	50	43	9	39	51	53	67	40	45	43	68	75	583

Table 5B. Mean Rate of Rainfall at 15 Stations during 1953 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1953	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		in.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.
London 2	St. Pancras (Camden Square)	20·57	·034	·035	·042	·044	·045	·066	·082	·066	·058	·067	·039	·021	·052
Suffolk 5	Mildenhall Airfield	18·46	·030	·026	·034	·036	·046	·059	·056	·050	·050	·039	·032	·023	·041
Cornwall 1	St. Eval Airfield	25·09	·025	·039	·057	·061	·048	·050	·073	·059	·085	·081	·036	·036	·054
Gloucestershire....5	Bristol (Filton)	26·56	·036	·030	·040	·050	·037	·036	·068	·109	·052	·049	·043	·035	·051
Leicestershire 4	Loughborough (Nanpantan Res.)	23·34	·026	·049	·062	·048	·062	·040	·061	·074	·068	·100	·035	·021	·051
Yorkshire, N.R....2	Thirsk (Topcliffe Airfield)	20·74	·045	·035	·020	·046	·080	·056	·089	·085	·064	·058	·043	·033	·056
Durham 1	Forest-in-Teesdale	42·28	·052	·031	·036	·053	·072	·056	·049	·061	·058	·054	·048	·045	·051
Pembrokeshire 4	Pembroke Dock	36·71	·027	·046	·058	·069	·038	·082	·063	·068	·063	·091	·060	·038	·058
Denbighshire.....1	Wrexham (Grove Park School)	21·63	·043	·035	·046	·060	·073	·046	·086	·067	·072	·052	·053	·032	·056
Dumfriesshire 5	Eskdalemuir Observatory	55·13	·026	·028	·045	·051	·046	·099	·060	·063	·046	·048	·049	·037	·049
Argyllshire.....14	Tiree Airport	46·06	·031	·037	·046	·038	·055	·028	·054	·052	·054	·045	·063	·049	·047
Aberdeenshire 2	Dyce (Aberdeen Airport)	30·25	·053	·031	·070	·048	·061	·041	·052	·094	·068	·057	·048	·041	·053
Ross and Cromarty 10	Stornoway Airport	41·36	·040	·046	·053	·054	·050	·042	·060	·068	·051	·056	·052	·055	·052
Shetland.....	Lerwick Observatory	43·82	·040	·064	·061	·051	·044	·032	·083	·070	·049	·050	·072	·059	·058
Antrim.....5	Aldergrove Airfield	25·79	·030	·023	·041	·026	·032	·042	·070	·062	·053	·048	·045	·044	·044

6 Heavy Falls in Short Periods in 1953

Heavy falls of rain in short periods are of great importance because of the inconvenience or damage which they may cause. Information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration and usually relates to widespread flooding rather than sudden damage over limited areas.

Table 6A indicates the classification used since January 1, 1936, and described in full in an article in Part IV of *British Rainfall* 1935. The diagram showing the full classification was printed in the volumes for 1935 to 1938.

A list of falls of "very rare" intensity lasting for *one hour or less* which were recorded between 1873 and 1938 was published in *British Rainfall* 1938, and a supplementary table giving similar data for the years 1939 to 1946 was printed in *British Rainfall* 1946. Additional falls have been mentioned year by year since then. Five such falls were reported in 1953; 2·10 inches in 35 minutes at Langham (Waterworks) on June 25; four on June 26, *viz.*, 1·72 inches in 15 minutes at Nelson (Walton Lane); 2·09 inches in 39 minutes at Langley (Trentabank Reservoir); 2·84 inches in 55 minutes at Windermere (Holehird) and 3·54 inches in 55 minutes at Eskdalemuir Observatory. During the fall at Eskdalemuir 3·15 inches was recorded in 30 minutes, the heaviest known fall of that duration in the United Kingdom.

Table 6A. Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
min.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less	·43	10·9	5·16	·68	17·3	8·16	1·06	26·8	12·72
10 ,, ,,	·54	13·8	3·24	·85	21·6	5·10	1·31	33·2	7·86
20 ,, ,,	·68	17·3	2·04	1·06	26·8	3·18	1·61	40·9	4·83
30 ,, ,,	·77	19·7	1·54	1·19	30·3	2·38	1·82	46·2	3·64
40 ,, ,,	·85	21·6	1·27	1·30	33·2	1·95	1·98	50·3	2·97
50 ,, ,,	·91	23·2	1·09	1·40	35·6	1·68	2·12	53·8	2·55
60 ,, ,,	·97	24·5	·97	1·48	37·6	1·48	2·24	56·8	2·24
70 ,, ,,	1·01	25·7	·87	1·55	39·4	1·33	2·34	59·5	2·01
80 ,, ,,	1·05	26·8	·79	1·61	40·9	1·21	2·44	61·9	1·83
90 ,, ,,	1·09	27·8	·73	1·67	42·4	1·11	2·52	64·0	1·68
100 ,, ,,	1·13	28·8	·68	1·72	43·8	1·03	2·60	66·0	1·56
110 ,, ,,	1·16	29·6	·63	1·77	45·0	·97	2·67	67·8	1·46
120 ,, ,,	1·19	30·4	·59	1·82	46·2	·91	2·73	69·4	1·37

Table 6C gives particulars of falls recorded in 1953 which reached at least the intensity "noteworthy". In each case the entry gives the largest amount recorded with a mean intensity "noteworthy", "remarkable" or "very rare", an entry in the highest category being in general preferred. For the "very rare" fall at Eskdalemuir Observatory, additional information is given at the end of the table in italics, the fall being also a record for 55 minutes. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

across Scotland. Six of the falls occurred in Scotland, 1 in Durham and 1 in Northern Ireland. The storm was stated to be the worst in living memory in the northern Highlands of Scotland. Roads and railways were damaged, electricity supplies disrupted while houses and business premises were flooded in Fort William. At Ballykelly, in Northern Ireland, the airfield was flooded to a depth of 2 feet in places. Several fatalities and much flood damage were reported from northern and central England on these days.

Severe thunderstorms occurred over the

Table 6B. Number of Noteworthy Rains of Two Hours' Duration or less

		England and Wales							
		S.E.	S.W.	N.E.	N.W.	Total	Scotland	Northern Ireland	Total
1953	(a)	6	10	7	8	31	3	0	34
	(b)	3	2	1	5	11	6	1	18
	Total	9	12	8	13	42	9	1	52
Mean 1925–1952		26	14	7	5	52	4	1	57

(*a*) Observations made without autographic rain-gauges.
(*b*) Readings of autographic gauges.

In Table 6C there are 52 entries compared with 90 "noteworthy" falls recorded during 1952. Table 6B gives the geographical distribution of these falls. The total number, 52, was 5 less than the mean for the 28 years 1925–52 but the distribution was unusual, with a preponderance of falls in the northern districts and only 9 in south-eastern districts compared with a mean of 26. Heavy falls in 1953 were confined to May 25 to September 30. The most remarkable features of the chronological distribution were the large number of falls which occurred during the last week of June, and the small number of falls in July. May had 8 falls, August 2 and September 2.

The heavy falls of *May* were confined to the 25th and 26th, 7 on the former date and 1 on the latter. They occurred in severe thunderstorms associated with a cold front accompanying a small depression which moved eastwards country from *June* 25 to the end of the month and of the 33 falls listed for this period in Table 6C, 4 are for the 25th, 26 for the 26th, 1 for the 27th and 2 for the 30th. The unprecedented fall at Eskdalemuir Observatory on the 26th is described in the *Meteorological Magazine*, Vol. 82, 1953, pp. 344–347. Captain B. D. Parkin said that a feature of the storm at Stroud on the 25th was the terrific hailstorm accompanied by very strong winds which caused the hail to sweep over garden crops and cut them as with a scythe. Severe storms occurred in north Staffordshire on the 25th and 26th with "noteworthy" falls at Hanley (Etruria) on the 25th and at the University College of North Staffordshire on the 26th. Mr. Allderidge, the Resident Engineer at Langham (Waterworks), Essex, where a "very rare" fall occurred on the 25th, said within a few minutes of the start of the deluge all telephones were out of order and

within 15 minutes the topsoil was being washed off the fields on the upper slopes of the valley. Two of the "remarkable" falls which occurred on the 26th were the heaviest on record in the county of Leicestershire for a duration greater than 35 minutes—except for the "very rare" fall of 3·50 inches in 2 hours on July 15, 1937, at Asfordby Hill (Ironworks). These are the entries of 1·63 inches in 58 minutes at Market Harborough and 1·98 inches in 75 minutes at Melton Mowbray. Severe flooding in both towns was reported. Other districts affected by severe storms on the 26th were South Wales and the Lake District. Two "remarkable" falls were noted at Pontypridd and one at Ystalyfera. The *South Wales Echo and Evening Press* reported that electricity supplies were cut off from a large area covering Mountain Ash, Merthyr Tydfil, Caerphilly and Newbridge. There were also reports of cattle killed and flood damage to property. The "very rare" fall of 2·84 inches in 55 minutes at Windermere (Holehird) on the 26th is the heaviest fall on record for duration of two hours or less in Westmorland. The greatest damage in the Lake District occurred in the Troutbeck Valley. One holiday-maker was swept to his death and several other people narrowly escaped drowning. Mr. C. Bateman reported hailstones of very uneven shape at Brockhole, Windermere, where 2·32 inches fell in 90 minutes. At one time the lawns were white and there was much damage to paths running downhill. Vegetation in the garden suffered badly, fruit was badly bruised and lettuce reduced to pulp. Mrs. G. Satow of Great Langdale said that telephone and electric fuses were blown and that after one close lightning flash there were strong "sulphuric" fumes. At Nelson great damage was done to mill property. The *Nelson Leader* reported "the most northerly mill off Hallam Road caught the full weight of the water . . . and the cellar was quickly flooded to a depth of over ten feet. Water poured through windows broken under the strain and about a hundred cases of weft and warps were submerged." The "very rare" fall at Walton Lane was the heaviest recorded in 20 minutes or less in Lancashire. The entry at Ronaldsway Airport is the first "noteworthy" fall to be recorded in the Isle of Man.

There are 7 "noteworthy" falls entered for *July*. Thunderstorms were fairly widespread between the 12th and 18th and flood damage was reported from many places. Two falls were reported from Yorkshire on the 12th. Mr. E. B. Potts of Tunstall near Richmond, Swaledale, wrote "Damage here was severe to grain crops. Telephone services and electricity supplies were also affected. Several inches of soil were eroded from a neighbour's root field." The fall of 1·26 inches in 45 minutes at Pershore on the 18th occurred in a violent thunderstorm which swept the Vale of Evesham, damaging crops and homes and flooding roads.

Thunderstorms occurred frequently in *August* but only two falls, both "noteworthy", are included in Table 6c. Damage was particularly severe in South Wales on the night of 19th–20th, when 1·21 inches fell in 90 minutes at Maesteg. The *Western Mail* reported that, at Port Talbot, damage was caused in hundreds of houses, a man was drowned, and two blast furnaces at the Margam works of the Steel Company of Wales were put out of action. Heavy storms were reported in western England on the 23rd. At Filton (Bristol Airport), 1·30 inches fell in 3 hours and a "noteworthy" fall was recorded at Exford. Many West Country towns were flooded and the rivers of Exmoor were reported to have reached their highest levels since the Lynmouth flood disaster of 1952.

Two "noteworthy" falls were recorded in *September*, one in Cardiganshire, a county in which records of intense falls are comparatively rare. The 1·24 inch at Great Langdale, near Windermere, on the 30th was followed by persistent rain when, in all, a total of 6·29 inches was recorded within 17 hours.

Table 6c. Heavy Falls in Short Periods in 1953

County and River Division	Station	Date	Amount	Began at	Duration	Rate per Hour
	(a) EYE OBSERVATIONS		in.	G.M.T.	min.	in.
Kent 2	Wye (S.E. Agric. College)	Jul. 14	·59	17 25	10	3·54
Yorks, N.R. ..1	Leyburn (Spennithorne).....	Jul. 12	·76	14 00	15	3·04
Surrey.....5	Tadworth (Pumping Station).....	Jul. 1	·73	15 20	20	2·19
Dumfries 4	Moffat (St. Margarets)	May 26	1·46	11 15	30	2·92*
Glamorgan....6	Pontypridd (Boys' Grammar Sch.)	Jun. 26	1·20	11 15	30	2·40*
Glamorgan....6	Pontypridd (Coedpenmaen Road) .	Jun. 26	1·20	11 15	30	2·40*
Angus 2	Carnoustie	May 25	1·00	13 00	30	2·00
Glamorgan....6	Pontypridd (Treforest Sec. Sch.) ..	Jun. 26	·96	11 15	30	1·92
Hampshire 1	Ryde (Esplanade Gardens)	Jun. 30	·85	09 00	30	1·70
Essex.....6	Langham (Waterworks).....	Jun. 25	2·10	13 45	35	3·60†
Suffolk 1	East Bergholt (Flatford Mill)	Jun. 25	1·26	14 00	40	1·89
Worcester.....3	Pershore (Wick).....	Jul. 18	1·26	11 15	45	1·68
Worcester.....2	Kidderminster (Pumping Station) .	Jun. 26	·98	14 15	45	1·31
Stafford.....3	Hanley (Etruria)	Jun. 25	·91	15 45	45	1·21
Sussex.....1	Chichester (Apuldram).....	Jun. 30	·90	08 30	45	1·20
Glamorgan....3	Ystalyfera (Wern House).....	Jun. 26	1·61	13 00	50	1·93*
Westmorland ..2	Windermere (Holehird)	Jun. 26	2·84	14 40	55	3·10†
Leicester 2	Market Harborough (Grammar Sc.)	Jun. 26	1·63	15 47	58	1·69*
Lancashire, N..2	Newby Bridge (Fell Foot)	Jun. 26	2·01	14 45	60	2·01*
Yorks, N.R....2	Tunstall (Craggs Lane Farm)	Jul. 12	1·00	13 00	60	1·00
Leicester 4	Melton Mowbray (White Lodge)..	Jun. 26	1·98	14 30	75	1·58*
Somerset.....3	Milverton (Spring Grove).....	Jun. 26	1·05	12 45	75	·84
Gloucester 3	Stroud (Ruscombe)	Jun. 25	1·54	16 20	79	1·17
Roxburgh.....2	Yetholm (Old Graden).....	May 25	1·12	12 50	80	·84
Westmorland ..2	Windermere (Brockhole)	Jun. 26	2·32	14 15	90	1·55*
Westmorland ..2	Ambleside.....	Jun. 26	2·15	13 30	90	1·43*
Somerset.....5	Exford (Lower Thorne)	Aug. 23	1·15	12 30	90	·77
Nottingham ...5	Nottingham (Sneinton Pump. Stn.).	Jun. 26	1·74	14 30	100	1·04*
Cardigan.....2	Llandyssul (Joyous Gard)	Sep. 15	1·24	06 20	100	·74
Yorks, W.R. ..8	Halifax W.W. (Gorple Res.) No. 1	Jun. 26	2·12	18 00	120	1·06*
Durham 3	Rowlands Gill (Chopwellwood) ...	May 25	1·75	14 30	120	·87
Cumberland...1	Watermillock (Lake View).....	Jun. 26	1·40	13 25	120	·70
Westmorland ..2	Rydal (The Hall).....	Jun. 26	1·28	13 30	120	·64
Westmorland ..2	Great Langdale (Long House)....	Sep. 30	1·24	07 00	120	·62
	(b) AUTOGRAPHIC RECORDS					
Lancashire, C. .1	Nelson (Walton Lane)	Jun. 26	1·72	17 45	15	6·88†
Fifeshire 1	Dunfermline.....	Jun. 26	·70	16 05	15	2·80
Berwick.....3	Swinton House	May 25	·68	13 10	15	2·72
London.....2	Kensington Palace	Jul. 18	·64	14 25	15	2·56
Middlesex.....1	Northolt Airport.....	Jul. 14	·75	12 20	20	2·25
Morayshire....5	Kinloss Airfield.....	May 25	·70	09 43	20	2·10
Dumfries.....5	Eskdalemuir Observatory	Jun. 26	3·15	13 33	30	6·30†
Renfrew 2	Renfrew (Glasgow Airport).....	Jun. 26	1·26	13 15	30	2·52*
Leicester.....2	Caldecott (Eye Brook Reservoir)	Jun. 26	1·16	15 55	30	2·32
Cheshire 1	Langley (Trentabank Reservoir)...	Jun. 26	2·09	14 06	39	3·22†
Londonderry ..5	Ballykelly Airfield.....	May 25	1·14	00 57	40	1·71
Lancashire, S. .3	Rochdale (Queensway).....	Jun. 26	1·32	13 10	45	1·76
Stafford.....3	Keele (University Coll. of N. Staffs.)	Jun. 26	1·08	14 10	50	1·30
Pembroke.....4	Pembroke Dock	Jun. 27	2·07	18 00	65	1·91*
Isle of Man ...	Ronaldsway Airport.....	Jun. 26	1·12	23 54	66	1·02
Berkshire 5	Abingdon Airfield.....	Jun. 26	1·21	17 48	72	1·01
Glamorgan....5	Maesteg (Welfare Park).....	Aug. 19	1·21	22 00	90	·81
Inverness.....17	Fort William (Teviot).....	May 25	1·35	03 50	120	·67
Dumfries.....5	*Eskdalemuir Observatory*	*Jun. 26*	*3·54*	*13 33*	*55*	*3·86*†

* "Remarkable" fall. † "Very Rare" fall.

Table 6D gives frequencies of falls within stated categories for 33 stations which have been selected from those in Table 5A. The falls are not necessarily continuous nor are they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 10 mm. (0·4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0·6 inch), 20 mm. (0·8 inch) and 25 mm. (1·0 inch).

Table 6D. Number of Days on which specified amounts of Rain fell in specified times during 1953

County	Station	10 mm. (0·4 inch) within					15 mm. (0·6 inch) within					20 mm. (0·8 inch) within				25 mm. (1·0 inch) within			
		5 mins.	15 mins.	30 mins.	1 hr.	2 hrs.	15 mins.	30 mins.	1 hr.	2 hrs.	5 hrs.	30 mins.	1 hr.	2 hrs.	5 hrs.	1 hr.	2 hrs.	5 hrs.	24 hrs.
London	St. Pancras (Camden Square)	0	0	0	0	2	0	0	0	1	1	0	0	0	1	0	0	1	1
Surrey	Croydon Airport	0	0	0	2	3	0	0	0	1	2	0	0	0	1	0	0	1	1
,,	Kew Observatory	0	0	1	1	2	0	0	0	1	2	0	0	0	0	0	0	0	1
Kent	Lympne Airport	0	0	0	2	5	0	0	0	1	4	0	0	0	1	0	0	0	0
,,	West Malling Airfield	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	1
Sussex	Tangmere Airfield	0	0	0	1	3	0	0	0	0	2	0	0	0	0	0	0	0	2
Hampshire	South Farnborough (R.A.E.)	0	0	1	2	3	0	0	1	2	2	0	0	0	1	0	0	0	1
Berkshire	Reading (Caversham Lock)	0	0	2	2	3	0	0	0	1	2	0	0	0	0	0	0	0	0
,,	Abingdon Airfield	0	1	1	2	2	0	1	2	2	2	0	1	1	2	1	1	1	2
Bedfordshire	Cranfield Airfield	0	0	0	3	4	0	0	0	1	4	0	0	0	1	0	0	0	2
Suffolk	Mildenhall Airfield	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Devonshire, S.	Plymouth (Mount Batten)	0	0	1	1	6	0	1	1	1	7	0	1	1	5	0	0	1	6
Cornwall	St. Eval Airfield	0	0	0	0	3	0	0	0	0	4	0	0	0	1	0	0	0	1
Gloucestershire	Bristol (Filton)	0	0	1	2	4	0	0	1	2	4	0	0	1	2	0	1	2	2
Shropshire	Shawbury Airfield	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
Warwickshire	Elmdon (Birmingham Airpt.)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Lincolnshire	Cranwell Airfield	0	1	1	1	2	0	0	0	0	3	0	0	0	1	0	0	0	1
Cheshire	Ringway (Manchester Airpt.)	0	0	1	2	5	0	0	0	0	4	0	0	0	0	0	0	0	1
Lancashire	Southport (Bedford Rd. Park)	0	0	0	0	2	0	0	0	0	2	0	0	0	1	0	0	1	3
Yorkshire, N.R.	Dishforth Airfield	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
Northumberland	Acklington Airfield	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
Cumberland	Keswick (High Hill)	0	0	0	1	8	0	0	0	0	11	0	0	0	2	0	0	0	14
Cardiganshire	Aberporth	0	0	1	2	5	0	0	1	1	5	0	0	0	1	0	0	0	4
Isle of Man	Ronaldsway Airport	0	1	1	2	2	1	1	1	2	2	1	1	1	1	1	1	1	4
Anglesey	Holyhead (Valley Airfield)	0	0	1	3	3	0	0	0	1	3	0	0	0	0	0	0	0	3
Dumfriesshire	Eskdalemuir Observatory	1	1	2	2	8	1	1	1	2	7	1	1	2	2	1	1	2	9
Ayrshire	Prestwick Airport	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	0	0	1
Renfrewshire	Renfrew (Glasgow Airport)	0	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	4
Fifeshire	Leuchars Airfield	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Aberdeenshire	Dyce (Aberdeen Airport)	0	0	1	1	4	0	1	1	1	2	0	0	1	2	0	1	1	4
Shetland Islands	Lerwick Observatory	0	0	0	1	3	0	0	0	1	3	0	0	0	1	0	0	0	1
Co. Fermanagh	Castle Archdale Airfield	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	1
Co. Antrim	Aldergrove Airfield	0	0	0	1	3	0	0	0	0	2	0	0	0	0	0	0	0	1

7 Heavy Falls on Rainfall Days in 1953

The daily measurements of rain which are set out in this Section are (*a*) falls amounting to 2½ inches or more on the rainfall day, and (*b*) falls which amount to at least 7½ per cent of the total recorded for the year 1953. A fall of 2½ inches in a day at any station is sufficiently remarkable to be noticed, but it is likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of 7½ per cent is introduced as well in order to admit certain falls of less than 2½ inches in areas where the total rainfall of the year does not exceed 33·3 inches.

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall* 1934. The article also included a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1953 are set out in Table 7A.

Table 7A. Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	in.	Per cent	Station	Div.	Per cent	in.	Station	Div.	
1935	6·16	5·7	New Dungeon Ghyll..	X	12·2	4·83	Batheaston Reservoir	V	1935
1936	5·80	..	Glenshiel.....	XVIII	12·8	3·97	St. Albans (Oaklands)	III	1936
1937	5·76	18·2	Waltham-on-Wolds...	VII	18·2	5·76	Waltham-on-Wolds..	VII	1937
1938	7·14	5·2	Buttermere (Hassness)	X	15·4	5·61	Torquay (Abbey Park)	V	1938
1939	5·08	4·8	Blaenau Festiniog....	XI	11·8	4·01	Milford W.W.....	VI	1939
1940	6·23	6·8	Rhondda (Llyn Fawr).	XI	14·7	4·18	Scarborough(Osgodby)	IX	1940
1941	5·10	9·2	Merthyr Tydfil.....	XI	18·8	4·54	Wickham Bishops...	IV	1941
1942	5·33	6·2	Grange-in-Borrowdale	X	12·0	3·55	Burnham (Chalbury).	V	1942
1943	4·44	4·6	Grange-in-Borrowdale	X	10·5	2·78	Torphins School House	XVII	1943
1944	5·20	3·2	Snowdon (Llydaw In.)	XI	14·0	4·45	Kilve (Harefield)....	V	1944
1945	4·85	5·4	Borrowdale (Moraine)	X	16·6	3·82	Boston (Grand Sluice)	VII	1945
1946	6·83	6·4	Princetown (H.M. Prison).....	V	12·6	3·48	Doxford Hall.....	X	1946
					12·6	3·51	Chathill(Preston Twr.)	X	1946
1947	6·28	6·4	Glenquoich.....	XVIII	20·8	5·04	Wisley (Outfall Wks.)	II	1947
1948	6·21	17·0	Kelso (Floors).....	XII	17·0	6·21	Kelso (Floors).....	XII	1948
1949	6·04	3·5	Glenshiel (Kyle).....	XVIII	19·1	4·12	March.....	III	1949
1950	4·55	4·2	Coniston (Holywath) .	X	11·2	3·04	Fordham(London Hse.)	III	1950
1951	4·53	4·0	Thirlmere (Dale Head)	X	9·9	3·34	Oxford (Radcliffe)...	III	1951
1952	9·00	10·7	Longstone Barrow ...	V	14·7	4·83	Boreham Wood.....	III	1952
1953	6·50	5·4	Snowdon (Cwm Dyli).	XI	12·0	3·25	Southampton (Portswood).....	II	1953

The year as a whole does not call for special comment with regard to heavy falls on rainfall days. The heaviest fall of the year, 6·50 inches at Snowdon (Cwm Dyli) on November 26, is only a little higher than the median heaviest fall, which in the long run can be expected to be exceeded, somewhere in Britain during 50 per cent of years. (In Table 7A 9 of the falls entered in the second column of Britain; only 5 falls exceeded 4 inches, but in all a very large area was covered by falls approaching this value. A more concentrated storm, largely restricted to the Lake District and Snowdonia, produced the greatest number of falls above 4 inches, namely 10, on November 26.

In the tables included in the following account of the heavy falls of the year, a daily

Table 7B. The Largest Daily Rainfalls in 1953

Date	Div.	Station	Amount	Per cent of Year	Total for Year
			in.	%	in.
Nov. 26	XI	Snowdon (Cwm Dyli)	6·50	5·4	119·48
,, ,,	,,	Snowdon (Cwm Dyli, Old Road)	5·85	5·2	112·92
Sep. 30	VIII	Coniston (Holywath)	5·18	5·3	97·68
Nov. 26	XI	Snowdon (Llydaw Intake)	5·12	4·1	125·62
Sep 30	X	Great Langdale (Long House)	5·05	4·7	107·86
Nov. 26	,,	Patterdale Hall	4·86	—	—
,, ,,	,,	Ulpha	4·60	6·0	76·69
Nov. 6	XV	Glenleven (Blackwater Dam, S.)	4·55	4·4	104·45

exceed 6 inches, and 10 are less than 6 inches.) Moreover this fall occurred in a very wet district, so that it is not particularly outstanding as a local phenomenon; falls of the same order have been recorded on a number of previous occasions in North Wales. The highest percentage fall, 3·25 inches or 12·0 per cent, at Southampton (Portswood) on October 31, is similarly not remarkable.

Dates of occurrence and measurements of the 8 largest falls of rain during 1953 are given in Table 7B. The table shows also the total amount for the year and the percentage of this total accounted for by the highest daily fall.

There were 234 falls which reached or exceeded 2½ inches, and of these the corresponding numbers for other limits were: 3 inches, 95; 4 inches, 22; 5 inches, 5. The outstanding day was September 30 with more than 20 per cent of these falls, all occurring, on this occasion, in the mountainous districts fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. G.M.T. on the day of entry.

January. Heavy falls occurring towards the end of the month were restricted to the mountainous western and northern districts. The north-westerly gale which occurred in the last two days of the month was followed by severe sea-flooding along the coasts of the southern North Sea, but rainfall amounts were not excessive.

January 27

	in. or %
Ross and Cromarty	
Strathmore Lodge	2·63 4·5

January 30

Caernarvonshire		
Snowdon (Cwm Dyli)	*3·24*	*2·7*
Snowdon (Cwm Dyli, Old Road)	*3·20*	*2·8*
Argyllshire		
Morvern (Kingairloch)	*2·61*	*2·3*

February and March. Rainfall was fairly general during the last few days of March, but apart from districts in Wales and the West Riding, falls were only light to moderate. There were floods, mainly shortlived, in many parts of Wales.

March 28

Yorkshire	*in.*	or %
Dunford Bridge (Stoneygate)	2·62	5·8
Great Hey	3·26	5·5
Hey Springs	3·04	5·9
Holmbridge (Yateholme)	3·02	5·7
Holmbridge (Ramsden)	*2·94*	*6·0*
Glamorgan		
Rhondda (Lluest Wen Reservoir)	*2·62*	*2·9*
Brecknockshire		
Ystradfellte Reservoir	2·71	3·8
Cardiff W.W. (Beacons Reservoir)	3·20	4·6
Cardiff W.W. (Storey Arms Field)	2·97	4·2
Taf Fechan (Neuadd Reservoir)	2·84	4·2
Montgomeryshire		
Llangurig (Manod)	4·22	5·6
Hafren Nurseries	3·00	5·7
Clywedog (Aber Biga)	3·00	5·8
Gam (Abercannon Farm)	4·23	7·1
Twrch (Dol y Gaseg)	3·45	5·7
Lake Vyrnwy	2·90	5·5
Lake Vyrnwy (Experimental Station)	2·97	5·4
Lake Vyrnwy (Bank Cynon Isaf)	2·70	5·2
Merionethshire		
Aberangell (Gwynynd)	3·00	4·7

March 29

Glamorgan	*in.*	or %
Rhondda W.W. (Llyn Fawr Res.)	2·66	3·1
Rhondda (Castell Nos Res.)	2·72	3·3
Rhondda (Lluest Wen Filter)	*2·60*	*3·1*
Rhondda (Lluest Wen Res.)	*2·89*	*3·2*
Brecknockshire		
Cardiff W.W. (Storey Arms Field)	*2·82*	*4·0*

April. Much of the rainfall occurred during the passage of depressions which moved in an easterly direction across the country, so that western mountain districts were most seriously affected. This was the case during the worst of these disturbances on the 29th.

April 29

Glamorgan	*in.*	or %
Pontypridd (Treforest Secondary Sch.)	*2·53*	*4·4*
Treorchy Pumping Station	2·70	3·5
Rhondda (Castell Nos Reservoir)	*2·70*	*3·3*
Rhondda (Lluest Wen Filter)	*2·50*	*3·0*
Rhondda (Lluest Wen Reservoir)	*2·63*	*3·0*
Montgomeryshire		
Llangurig (Manod)	*2·51*	*3·3*

May. The heavy rain on the first day of the month was associated with a trough over the southern North Sea, which caused rainfall to persist in the south-east whilst fine weather was becoming established elsewhere. After the middle of the month much of the rain was thundery in character and the heavy falls which occurred were mostly of this nature. The severest thunderstorms were in the period 24th–25th, beginning in Ireland and Scotland during the night and spreading on the 25th to northern and midland districts of England, to Wales and to the Bristol Channel area. Lightning and flood damage was severe over very wide areas and at least four people were killed by lightning.

May 1

Kent	*in.*	or %
Sittingbourne (Highsted Waterwks.)	1·57	7·7

May 24

Argyllshire		
Morvern (Kingairloch)	*2·56*	*2·2*
Duror (Achadh nan Sgiath)	2·70	4·0
Kilmelford Tralaig (Innie)	*2·00*	*3·2*
Inverness-shire		
Fort William (Teviot)	*2·52*	*2·9*

May 25

Lincolnshire		
Sudbrooke (The Manor House)	1·52	8·2
Co. Durham		
Barnard Castle (Bowes Museum)	2·12	8·6
Rowlands Gill (Chopwellwood)	1·80	8·2

June. Mainly thundery weather continued and nearly all the heavy falls were associated

with such conditions. Typical thunderstorm damage was reported from numerous areas from time to time throughout the month and some of the effects were severe locally. The two outstanding occasions were the 16th and 26th. On the former date, though thunderstorms occurred over much of eastern England, the most intense rainfall was concentrated in a small area near Sedbergh, and in the adjoining section of the Lune valley from Killington to Firbank. Houses were flooded and roads and crops were damaged. On the 26th, with a largest measured fall of almost exactly the same amount, a much larger area was affected. Heavy rain fell at many places in a belt extending from Glasgow, through Dumfriesshire, the Lake District, and the Pennine area of Lancashire and the West Riding, to the east Midlands. There were other storms in more isolated patches particularly in the Grampians and in Wales. The Kirkstone Pass road was blocked with boulders and other sections of the road were deeply scoured. A very heavy fall which did much damage occurred at the head of Lake Vyrnwy, but the actual amount was not measured. An estimate made by the Engineer, Liverpool Waterworks, is that about 3 inches fell in $1\frac{1}{2}$ hours, and this figure, derived from readings of monthly rain-gauges which already held a few inches of rain accumulated since the beginning of the month, is probably on the low side. The largest fall of the day, at Eskdalemuir Observatory, has been discussed in some detail in an article on "Thunderstorms of June 26, 1953" in the *Meteorological Magazine* for November 1953; of 4·18 inches recorded for the rainfall day, 3·54 inches fell in 55 minutes including 3·15 inches in 30 minutes.

June 2

	in.	or %
Northumberland		
Uswayford	2·69	6·9
Roxburghshire		
Cheviot Hills (Sourhope)	2·55	7·1

June 14

Leicestershire		
Cropston Reservoir	1·80	7·9
Nottinghamshire		
Newark (Sewage Works)	1·38	7·9

June 16

Yorkshire		
Sedbergh (Briggflatts)	3·50	6·2
Sedbergh School	4·16	8·3

June 21

Devonshire		
Dartmoor (Fox Tor)	3·84	6·8
Dartmoor (Strane Valley)	2·60	4·7

June 25

Essex		
Langham (Waterworks)	2·10	10·7

June 26

Leicestershire		
Market Harborough (Grammar Sch.)	1·73	8·0
Melton Mowbray (White Lodge)	2·00	8·9
Nottinghamshire		
Beeston (Bramcote Drive)	1·93	8·2
Nottingham (Sneinton Pumping Stn.)	1·74	8·5
Lancashire		
Cartmel Fell (Tower Wood)	2·77	4·6
Yorkshire		
Halifax W.W. (Gorple Reservoir)	2·99	5·8
Settle (Malham Tarn)	3·61	6·6
Westmorland		
Windermere (Holehird)	3·32	4·6
Dumfriesshire		
Eskdalemuir (Johnstone House)	3·08	6·0
Eskdalemuir Observatory	4·18	7·6
Lanarkshire		
Daer (Crookburn)	3·31	4·8
Glasgow (Elder Park)	2·63	7·4
Aberdeenshire		
Glen Muick (Allt na Guibhsaich)	3·51	8·5
Inverness-shire		
Loch an t-Seilich	2·54	4·9

June 30

Hampshire		
Cowes Waterworks (Broadfields)	2·40	9·3
Osborne	2·71	9·6

July. Thunderstorms were again frequent and caused some of the heavy falls, particularly on the 1st and the 12th–18th. In general, the effects were not as severe as in June. There were also periods of more widespread rain, resulting from major Atlantic disturbances,

the first of these producing the wettest day of the month, on the 11th, with the heaviest falls in the south-west and south.

July 1

Surrey	*in.*	or %
Cobham (Sewage Works)	1·64	7·5

July 5

Westmorland		
Great Langdale (Long House)	*2·58*	*2·4*
Merionethshire		
Manod Ffestiniog	*2·85*	*3·4*
Blaenau Festiniog (Llechwedd Qu.)	*2·83*	*3·0*

July 11

Hampshire		
Shanklin (Victoria Avenue)	1·92	7·7
Dorset		
Portland Bill Lighthouse	1·53	7·6
Devonshire		
South Brent (Badworthy)	2·54	5·0
Princetown (H.M. Prison)	2·54	3·9
Glamorgan		
Maesteg (Salisbury Road)	2·97	5·0
Maesteg Isolation Hospital	*2·60*	*4·2*
Maesteg (Welfare Park)	3·16	4·6
Ogmore Vale	*2·95*	*3·7*
Pontypridd (Ty-Gwyn Reservoir)	2·50	4·6
Pontypridd (Treforest Sec. Sch.)	2·84	5·0
Pontypridd (Boys' Grammar School)	2·75	5·0
Pontypridd (Coedpenmaen Road)	3·01	5·3
Pontypridd (Lanwood Reservoir)	2·50	4·5
Porth Park	2·74	4·3

July 12

Northamptonshire	*in.*	or %
Naseby Reservoir	2·45	9·9
Lancashire		
Warrington (Highways Yard)	2·52	9·0
Yorkshire		
Rotherham (Kimberworth School)	1·90	8·9

July 13

Banffshire		
Glenlivet (Clashnoir)	2·97	9·2
Dufftown (Glenrinnes Manse)	2·73	7·6
Ballindalloch	2·45	7·6

July 14

Middlesex		
Harrow (Oakhurst)	1·85	8·2

July 17

East Lothian	*in.*	or %
Lammermuir Hills (West Hopes)	1·95	7·7
North Berwick Reservoir	1·62	7·6

July 18

London		
Campden Hill Reservoir	1·70	7·8
Worcestershire		
Pershore (Inst. of Horticulture)	2·04	8·5

July 20

Merionethshire		
Blaenau Festiniog (Oakeley Qu.)	*2·78*	*2·7*

August. A fair spell at the beginning of the month was broken by thunderstorms after the 12th. There were other outbreaks later in the month, though not with any exceptionally heavy rain. The wettest days, in particular towards the end of the month, occurred with widespread rain associated with depressions, and the heaviest falls were in western mountain districts.

August 13

Co. Durham	*in.*	or %
Durham (University Observatory)	1·83	8·9
Ushaw College	1·98	8·9
South Moor (Colliery Office)	1·85	8·7

August 15

Suffolk		
Hadleigh (Penlands)	1·88	9·0

August 19

Monmouthshire		
Tredegar (Bedwellty Park)	2·55	4·7
Glamorgan		
Maesteg (Isolation Hospital)	*2·60*	*4·2*
Maesteg (Welfare Park)	*2·87*	*4·2*
Ogmore Vale	*2·94*	*3·6*

August 29

Glamorgan		
Maesteg (Salisbury Road)	*2·51*	*4·2*
Maesteg (Isolation Hospital)	2·78	4·4
Ogmore Vale	3·07	3·8

August 31

Lancashire		
Barton (Pump House)	2·17	8·3
Formby (The Dunes)	2·14	8·1

Lancashire—continued	*in.*	or %
Ulverston (Pengwerne)	2·63	5·2
Coniston (Holywath)	*3·06*	*3·1*
Lindale (Ellerhow)	2·58	5·7
Hornby (The Snab)	2·65	6·1
Fulwood W.W. (Barnsfold Res.)	2·54	6·0
Yorkshire		
Slaidburn (Hareden Valley)	*2·85*	*4·2*
Slaidburn (Langden Brook)	*2·80*	*4·0*
Slaidburn (Croasdale House)	2·64	4·7
Slaidburn (Stocks) No. 10	2·61	4·8
Slaidburn (Stocks) No. 11	2·78	5·0
Oughtershaw	2·51	4·4
Hawes Junction (Moorland Cottage)	2·54	4·3
Cumberland		
Ulpha	*2·52*	*3·3*
Westmorland		
Rydal (The Hall)	*2·73*	*3·2*
Great Langdale (Long House)	*3·48*	*3·2*

September. The unsettled weather at the end of August persisted into the beginning of September with heavy falls in Scotland. Heavy rains occurred on the 21st when a very deep depression affected western districts. After a short fair spell there was even heavier rain on the 30th. On the former date the heaviest falls did not extend as far north as Scotland but Devon was included in the area covered. Anxious attention was directed to the situation at Lynmouth and other parts of Exmoor. On the latter date all districts of western Britain from Snowdonia northwards had some falls of more than 2½ inches.

September 1

Dunbartonshire	*in.*	or %
Loch Sloy (Sloy Power Station)	*2·70*	*2·7*
Argyllshire		
Morvern (Kingairloch)	2·95	2·6
Ardgour (Inversanda)	*3·29*	*2·9*
Ardgour House	*2·62*	*2·4*
Mull (Auchnacraig)	2·68	3·1
Perthshire		
Glengyle	3·07	3·4
Inverness-shire		
Fort William (The Factory)	*2·56*	*3·5*

September 21

Devonshire		
Widecombe-in-the-Moor	2·73	5·9
Chagford (Metherall)	3·09	6·1
Challacombe	2·65	4·5
Somerset	*in.*	or %
Exford (Lower Thorne)	3·85	7·3
Lancashire		
Coniston (Holywath)	*3·09*	*3·2*
High Wray (Huyton Hill School)	*2·54*	*3·7*
Yorkshire		
Slaidburn (Harden Valley)	*2·64*	*3·9*
Slaidburn (Langden Brook)	*2·70*	*3·9*
Cumberland		
Thirlmere (The Nook)	*2·87*	*2·9*
Watendlath Farm	*2·90*	*3·7*
Thirlmere (Dale Head Hall)	*2·69*	*3·2*
Ulpha	*2·77*	*3·6*
Westmorland		
Martindale (Howtown)	*2·66*	*4·6*
Ambleside	*2·68*	*3·6*
Rydal (The Hall)	*2·89*	*3·4*
Great Langdale (Long House)	*3·37*	*3·1*
Grasmere (Meadow Brow)	*2·59*	*2·9*
Glamorgan		
Rhondda (Lluest Wen Filter)	2·78	3·4
Rhondda (Lluest Wen Reservoir)	2·98	3·3
Caernarvonshire		
Snowdon (Llydaw Intake)	*2·50*	*2·0*

September 22

Aberdeenshire		
Bridge of Don (Braehead)	2·10	8·0
Morayshire		
Elgin (Cemetery)	1·77	7·9

September 30

Lancashire		
Coniston (Holywath)	5·18	5·3
Hawkshead (Wraymires Fisheries)	*2·96*	*4·2*
High Wray (Huyton Hill School)	3·13	4·5
Yorkshire		
Slaidburn (Hareden Valley)	3·12	4·6
Slaidburn (Langden Brook)	3·10	4·5
Slaidburn (Dunsop Houses)	2·50	4·3
Cumberland		
Thirlmere (The Nook)	*2·75*	*2·8*
Thirlmere (Dale Head Hall)	*2·51*	*3·0*
Westmorland		
Windermere (Nurseries)	2·59	3·9
Windermere (Briery Close)	*2·56*	*3·7*
Rydal (The Hall)	*3·22*	*3·7*
Great Langdale (Long House)	5·05	4·7
Grasmere (Meadow Brow)	*2·97*	*3·3*
Merionethshire		
Manod Ffestiniog	*2·82*	*3·4*
Blaenau Festiniog (Llechwedd Qu.)	*2·73*	*2·9*
Caernarvonshire		
Snowdon (Cwm Dyli)	*2·90*	*2·4*
Snowdon (Cwm Dyli, Old Road)	*2·86*	*2·5*
Snowdon (Llydaw Intake)	*2·94*	*2·3*

Renfrewshire	*in.*	or	%
Howwood (Midton House)	2·60		4·9
Lochwinnoch (Kaim Dam)	2·55		3·7
Dunbartonshire			
Glen Finlas Reservoir	2·56		2·9
Loch Sloy (Sloy Dam)	4·29		3·4
Argyllshire			
Morvern (Kingairloch)	*2·62*		*2·3*
Ardgour (Inversanda)	*2·69*		*2·4*
Ardgour House	3·75		3·4
Glenleven (Blackwater Dam, S.)	*2·70*		*2·6*
Glenleven (Kinlochleven)	3·66		3·7
Loch Awe (Inverinan)	3·60		4·1
Dalmally (Craig)	3·36		4·3
Kilmelford Tralaig (Innie)	3·68		4·0
Crarae Lodge	3·00		3·6
Strachur Park	2·89		3·9
Brenchoillie	3·50		3·9
Inveraray Castle Gardens	3·16		3·6
Loch Eck (Benmore)	2·58		2·8
Garvie Farm	2·95		3·3
Strachur (Glenbranter)	3·53		3·6
Perthshire			
Tyndrum Manse	2·66		2·7
Inverness-shire			
Loch Quoich (Glenquoich)	3·32		2·7
Loch Hourn (Kinlochourn)	3·40		2·9
Fort William (The Factory)	2·77		3·8
Spean Bridge (Spean Lodge)	4·01		5·6
Onich	3·63		4·1
Onich (Corran Garden)	3·55		4·1
Glenleven (Blackwater Dam, N.)	*2·55*		*2·6*
Fort William (Teviot)	3·57		4·2
Fort William (Glasdrum)	3·51		4·1
Skye (Broadford)	*2·52*		*2·9*
Ross and Cromarty			
Loch Duich (Ratagan)	3·00		3·3

October. Mainly dry with only a few outbreaks of heavy rain. The falls in Hampshire on the 31st were due to a secondary depression which moved over this part of the country. Actually rainfall was general towards the end of the month but although amounts almost as large were recorded in other places, these falls were exceptional for the area.

October 9	*in.*	or	%
Inverness-shire			
Skye (Broadford)	2·55		2·9

October 10

Inverness-shire			
Loch Quoich (Glenquoich)	*3·05*		*2·5*

October 16

Devonshire	*in.*	or	%
Seaton (Marlpit Lane)	2·21		7·8
Colyton (Colyford)	3·01		9·5

October 31

Hampshire			
Freshwater (Waterworks)	1·75		7·7
Milford-on-Sea (Manor Road)	1·80		7·8
Lymington (Waterford)	1·72		7·6
Lymington	1·95		7·7
Brockenhurst (County School)	1·98		7·8
Hythe (Butts Ash Lane)	2·10		7·5
Southampton (East Park)	2·82		10·2
Southampton (Regents Park)	2·05		7·9
Stockbridge (Leckford Estate)	1·65		7·5
Southampton (Bitterne Park)	2·25		8·4
Southampton (Portswood)	3·25		12·0
Southampton (South Hill Reservoir)	2·28		8·7
Otterbourne (Waterworks)	2·26		7·6
Twyford (Pumping Station)	2·25		8·0
Winchester (Recreation Ground)	2·22		8·8
Winchester (Romsey Rd. Waterwks.)	2·05		8·1
Winchester (Beaconsfield House)	2·01		7·6
Itchen Abbas (Barn Close)	2·25		8·8
Odiham (Sewage Works)	1·91		10·1
Berkshire			
Mortimer (Grazeley Green)	1·62		7·5
Dorset			
Bere Regis (Doddings)	1·97		7·6

November. Apart from a relatively dry spell in the middle of the month, the weather was persistently unsettled, with depressions crossing Britain or passing to the north of Scotland from the west. The general weather type is reflected in the distribution of heavy falls which on each occasion were caused by the passage of a depression. The 6th in Scotland and the 26th in north-west England and Wales were the two outstanding occasions.

November 6

Dunbartonshire	*in.*	or	%
Loch Sloy (Sloy Power Station)	3·15		3·1
Argyllshire			
Ardgour (Inversanda)	3·75		3·4
Ardgour House	*3·48*		*3·2*
Conaglen	4·05		3·8
Glenleven (Blackwater Dam, S.)	4·55		4·4
Inverness-shire			
Glenshero	2·72		5·4
Invergarry (Craigard)	2·71		4·8
Kingie Camp	2·77		2·8

Inverness-shire—continued	*in.*	or %
Loch Quoich (Glenquoich)	*2·68*	*2·2*
Glenmoriston (Ceannacroc)	2·92	4·1
Loch Hourn (Kinlochourn)	*3·00*	*2·5*
Loch Arkaig (Achnacarry)	3·30	4·1
Loch Treig (Fersit)	*2·95*	*3·3*
Glenleven (Blackwater Dam, N.)	4·47	4·6
Fort William (Teviot)	*3·05*	*3·6*
Fort William (Glasdrum)	*2·97*	*3·5*
Ross and Cromarty		
Kinlochewe (Anancaun)	2·75	—
Loch Duich (Ratagan)	*2·55*	*2·8*
Loch Alsh (Nostie)	2·92	3·7

November 11

Cumberland		
Watendlath Farm	*3·25*	*4·2*
Westmorland		
Great Langdale (Long House)	*3·50*	*3·2*
Dunbartonshire		
Loch Sloy (Sloy Dam)	*2·61*	*2·1*

November 13

Montgomeryshire		
Corris (Ceinws Camp)	2·96	4·4
Merionethshire		
Llyn Morwynion	3·40	4·0
Manod Ffestiniog	3·65	4·3
Blaenau Festiniog (Oakeley Qu.)	3·50	3·4
Blaenau Festiniog (Llechwedd Qu.)	3·61	3·9
Caernarvonshire		
Beddgelert (Primary School)	*2·64*	*3·4*
Snowdon (Cwm Dyli)	*3·35*	*2·8*
Snowdon (Cwm Dyli, Old Road)	*3·30*	*2·9*

November 14

Argyllshire		
Dunoon (Waterworks)	2·55	3·3

November 26

Lancashire		
Coniston (Holywath)	*4·10*	*4·2*
Hawkshead (Wraymires Fisheries)	4·25	6·0
High Wray (Huyton Hill School)	*3·08*	*4·5*
Cumberland		
Watermillock (Lake View)	2·57	5·0
Troutbeck (Wellbank)	2·56	4·4
Thirlmere (The Nook)	4·26	4·4
Watendlath Farm	3·50	4·5
Thirlmere (Dale Head Hall)	3·34	4·0
Ulpha	4·60	6·0
Westmorland		
Hawes Water (Burn Banks)	3·17	5·6
Patterdale Hall	4·86	—
Martindale (Howtown)	2·95	5·1
Windermere (Holehird)	*2·97*	*4·1*
Windermere (Brockhole)	2·72	3·9
Windermere (Briery Close)	3·10	4·5
Ambleside	3·44	4·7
Rydal (The Hall)	4·32	5·0
Westmorland		
Great Langdale (Long House)	*4·19*	*3·9*
Grasmere (Meadow Brow)	4·10	4·6
Caernarvonshire		
Capel Curig (Gwydyr)	2·52	4·6
Lake Eigiau (Dam Site)	3·26	5·3
Beddgelert (Primary School)	2·94	3·7
Snowdon (Cwm Dyli)	6·50	5·4
Snowdon (Cwm Dyli, Old Road)	5·85	5·2
Snowdon (Llydaw Intake)	5·12	4·1

December. The few heavy falls listed for the 3rd are mainly remarkable for the district in which they occurred. A secondary depression was responsible.

December 3

Midlothian	*in.*	or %
Fairmilehead (Frogston Road)	1·98	7·7
Fairmilehead (Waterworks)	2·13	8·5
Liberton (Alnwick Hill)	1·93	7·9
Colinton (Firhill Tank)	2·11	8·2
Liberton (College Farm)	1·80	7·9
Liberton (The Inch)	1·87	7·7
Edinburgh (Old Dalkeith Road)	1·83	7·9
Edinburgh (Astley Ainslie Institute)	1·83	7·5
West Lothian		
Dalmeny House	1·96	8·1

8 Monthly Rainfall in 1953

Information as to the rainfall of the months of 1953 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1953.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 334 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 of the stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

Table 8A. General Rainfall for 1953, computed from the average, 1881–1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
	in.	in.	in.	in.	in.	in.
January	1·3	2·0	2·3	1·4	3·1	1·5
February	1·9	3·3	2·2	2·1	2·9	1·5
March	·9	2·7	·6	1·1	1·5	·6
April	2·8	4·1	3·3	2·9	3·5	2·2
May	2·4	3·2	2·9	2·5	3·3	2·5
June	2·3	2·5	1·7	2·4	2·4	2·3
July	3·6	5·3	5·3	3·8	5·5	5·1
August	3·0	4·8	5·5	3·3	4·2	4·0
September	2·8	5·8	5·6	3·2	5·6	3·5
October	2·7	3·9	5·1	2·9	3·6	2·8
November	2·4	5·8	5·9	2·8	7·5	3·7
December	1·3	2·0	2·7	1·4	5·6	3·8
Year	27·4	45·4	43·1	29·8	48·7	33·5

Table 8B. General Monthly and Annual Averages of Rainfall 1881–1915

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
	in.	in.	in.	in.	in.	in.
January	2·69	4·72	3·40	2·99	4·90	3·33
February	2·34	3·94	3·25	2·57	4·18	2·98
March	2·47	3·82	3·03	2·67	4·05	3·05
April	1·98	2·96	2·47	2·12	2·99	2·58
May	2·19	2·95	2·82	2·30	3·01	2·70
June	2·33	3·05	2·54	2·44	2·83	2·86
July	2·75	3·60	3·22	2·87	3·78	3·41
August	3·11	4·71	4·01	3·35	4·51	4·16
September	2·37	3·51	3·22	2·54	4·00	3·01
October	3·69	5·63	4·64	3·97	4·90	3·61
November	3·19	5·25	4·73	3·49	5·29	3·81
December	3·56	6·00	4·97	3·92	5·88	4·16
Year	32·67	50·14	42·30	35·23	50·32	39·66

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month has been prepared on the scale of 16 miles to the inch, based on the values from some 2,500 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this Section but copies on a reduced scale have been included in the corresponding numbers of the Monthly Weather Report.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V), are given for comparison with the values for 1953 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

General Monthly Rainfall

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881–1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table.

The wettest month of the year was July over England and Wales and Northern Ireland, but November over Scotland. It was the wettest July since 1940 over Scotland, but over England and Wales and Northern Ireland July 1950 was wetter.

Over England and Wales the rainfall for January equalled that of the same month in 1896, and in the series from 1870 only 1880 had a drier January, with 0·7 inch. It was the driest January over Northern Ireland in the series of general values available from 1920, and the driest over Scotland since 1941. The period January to June was the driest first six months of the year over Scotland since 1940, with 15·8 inches, and the driest over Northern Ireland since 1920.

Extremes of Monthly Rainfall at Individual Stations

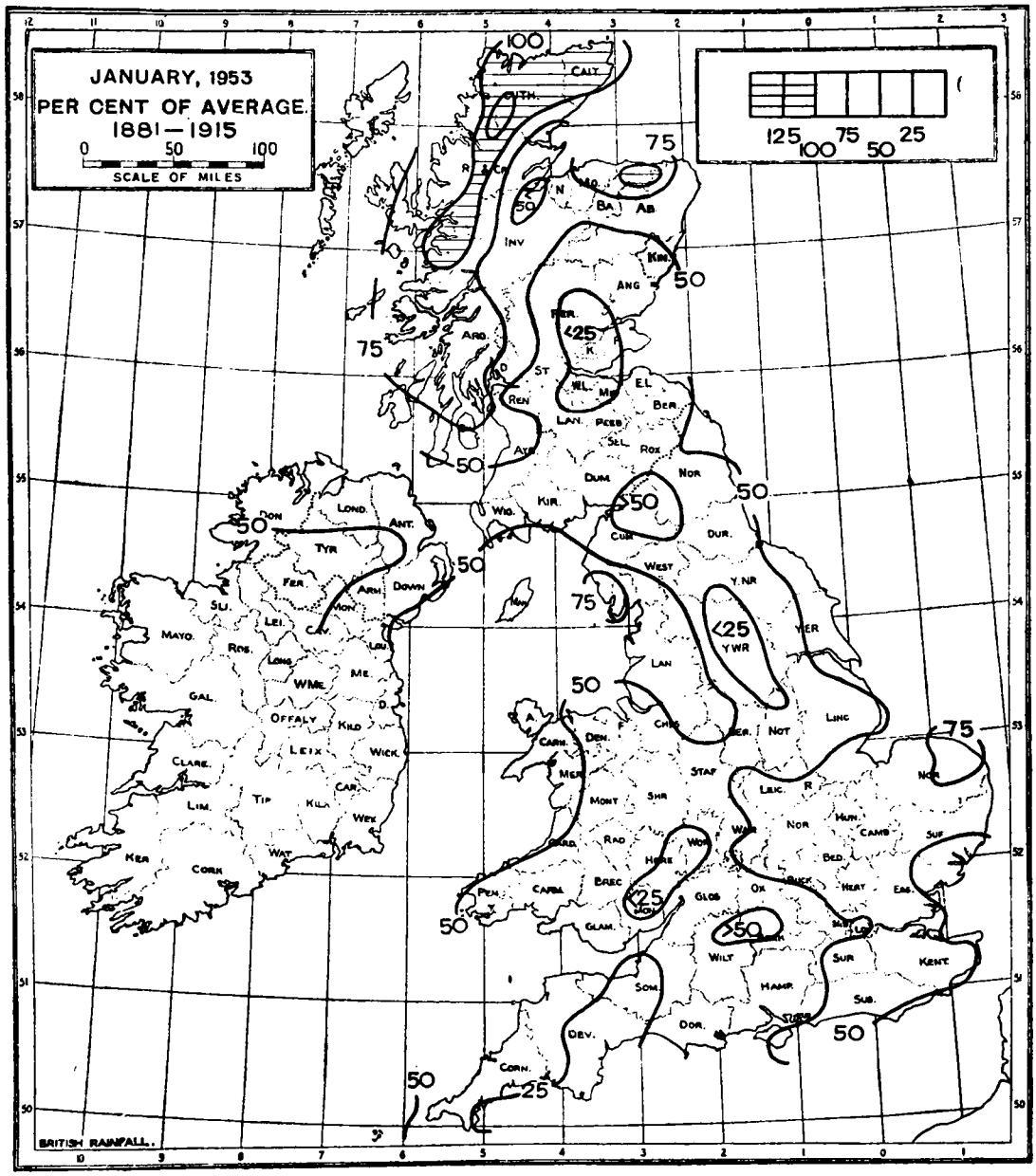
(a) *Monthly Totals.*—The largest monthly total reported in England was 34·00 inches in September at Styehead Tarn (Cumberland) where there was also a total of 31·75 inches in November. In Wales, Snowdon (Grib Goch) reported 23·80 inches in November. The largest total for Scotland was 27·45 inches recorded in November at Loch Quoich (Kinlochquoich) and the largest for Northern Ireland 8·90 inches in July at Lough Shannagh in the Mourne Mountains.

Less than ·05 inch occurred in March at a number of stations in Northumberland and Durham, no measurable rain being recorded at Belford (Newlands), Lanchester (Langley Close) and South Moor (Colliery Office). The smallest total for Wales was ·53 inch in January at Rhyl (Westbourne Terrace). March was the month with smallest totals in Scotland and Northern Ireland: ·09 inch was reported at Bridge of Don (Braehead), Aberdeenshire, and ·10 inch at Banbridge in County Down.

(b) *Monthly percentage values.*—Areas with more than twice the average appear on the six maps May to September and November. The largest percentage values in Table 8D are 236 at Ilfracombe and 233 at Eskdalemuir, both recorded in July. On the other hand areas with less than 25 per cent of average appear on the maps for January, March, October and December. A few stations recorded less than 10 per cent in March—4 per cent at Newcastle and 5 per cent at Felixkirk, Yorkshire, in this month being the smallest values in Table 8D

The Rainfall and Weather of the Individual Months

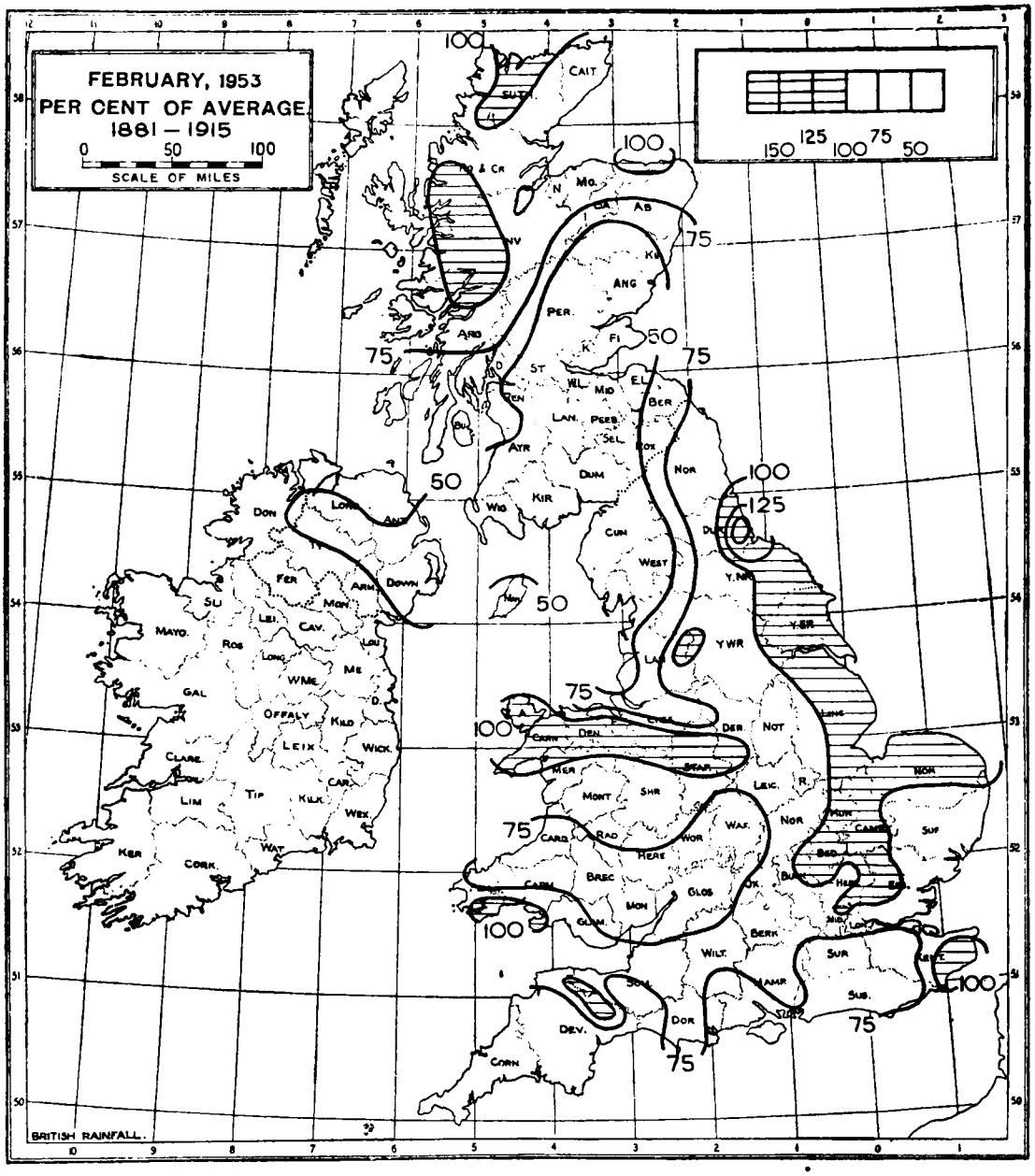
In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average, together with a short account of the weather. Further details are given in the *Monthly Weather Report*, which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.



Rainfall, January 1953, as per cent of average

January. Most of the month was quiet, but on the 31st there were severe north-westerly gales when gusts exceeded 105 knots in the Orkneys, and high spring tides caused extensive flood damage and some loss of life along the east coast of England. The first eight days of the month were cold with appreciable falls of snow, reaching a depth of 6 inches at Whipsnade on the 7th. The remainder of the month was mild with temperatures exceeding 55° F in some places.

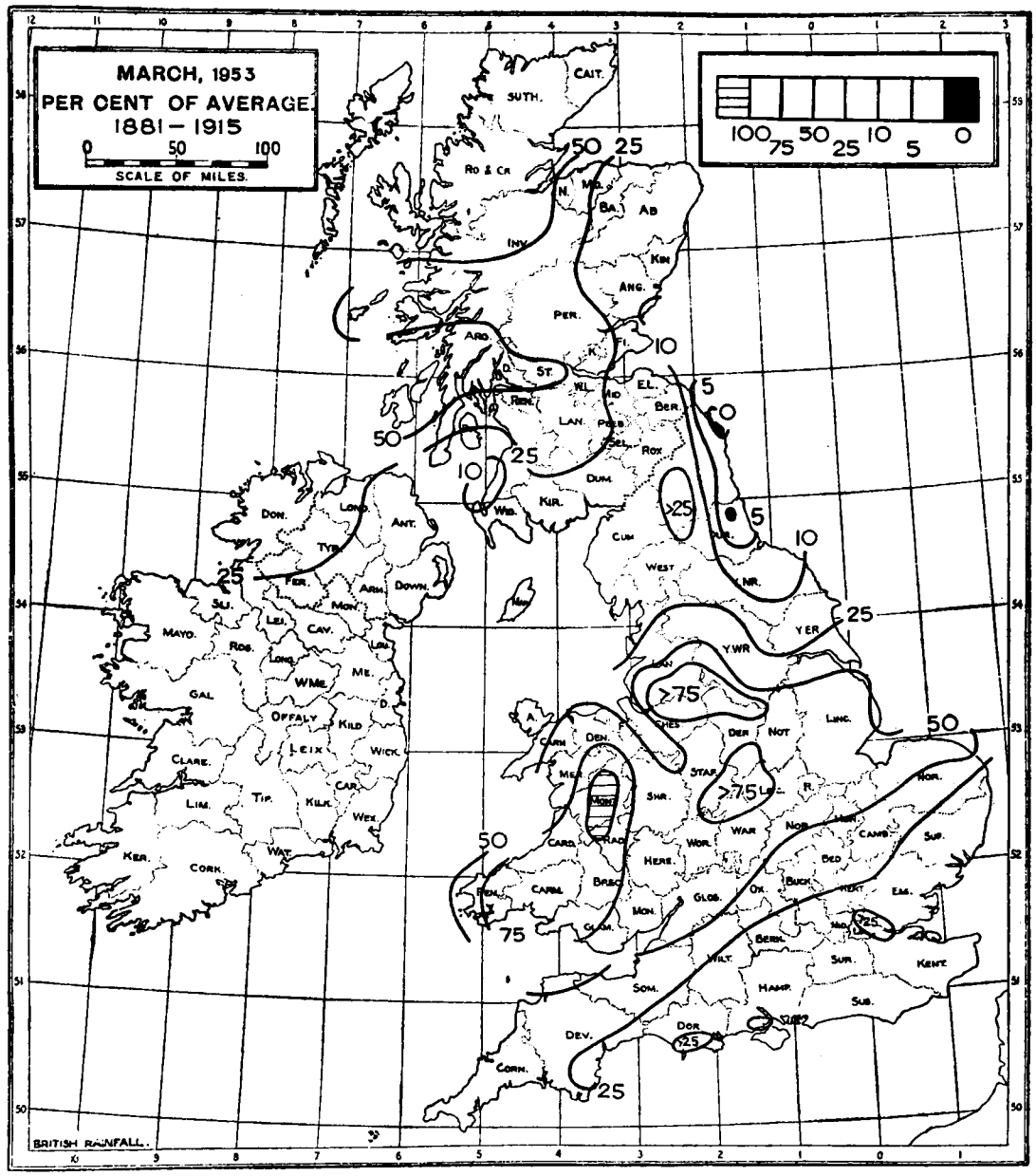
Most of the country had less than half the average rainfall and totals failed to reach half an inch from York to Rotherham. Over England and Wales it was the driest January since 1896. But over north Scotland the rainfall was more than average, and total falls exceeded 10 inches.



Rainfall, February 1953, as per cent of average

February. The first half of the month was generally cold with northerly winds. Considerable snow fell between the 8th and 14th and level snow to a depth of a foot or more accumulated in some highland areas. Mild weather set in over Scotland on the 13th and spread slowly southwards, reaching the south-east of England by the 17th.

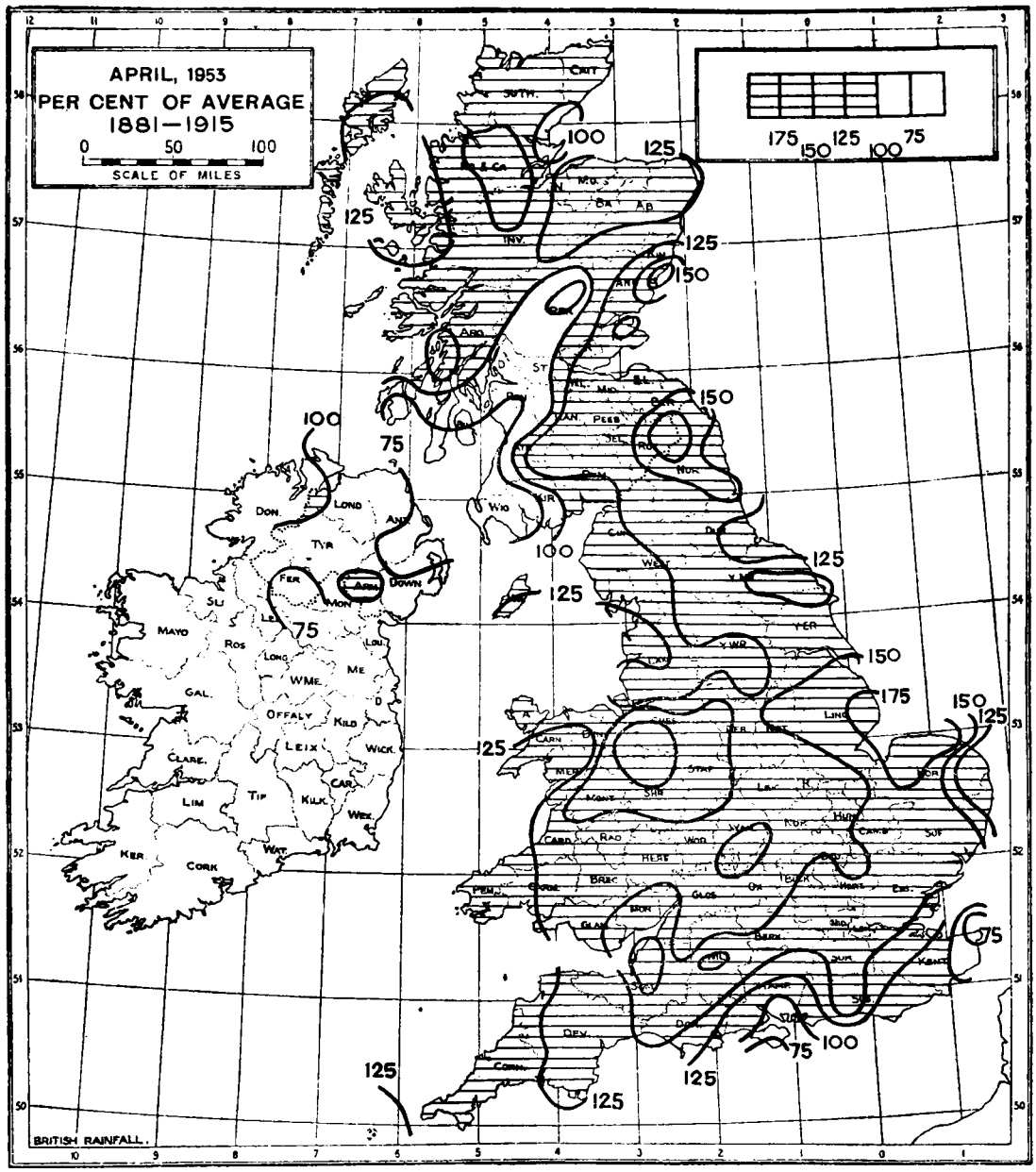
Rainfall exceeded the average over parts of eastern England, north Scotland and locally in Wales and the north-west Midlands. There was less than half the average in the north-west of England, over most of the south-eastern half of Scotland and parts of Northern Ireland. Totals ranged from less than 2 inches over much of England and the east of Scotland to more than 8 inches over Snowdonia, the English Lake District and the Western Highlands of Scotland.



Rainfall, March 1953, as per cent of average

March. Mean pressure over the whole country was the highest for March during this century. Anticyclonic conditions, with little or no rain in most places, prevailed until the 25th, by which time absolute drought had lasted for 34 days in many areas—the longest widespread drought early in the year, since 1893. Considerable rain fell in many places during the remainder of the month.

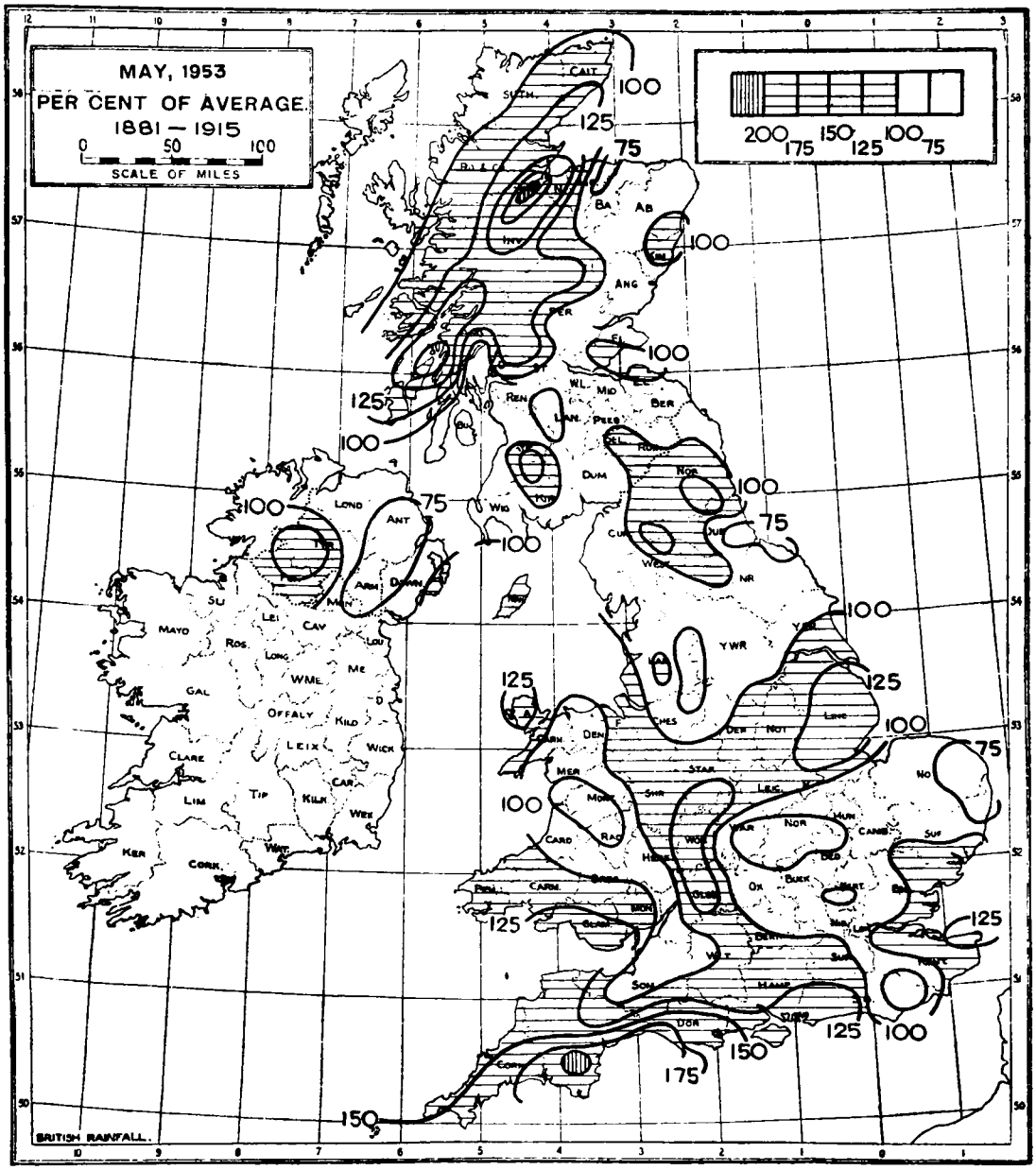
Rainfall was less than the average everywhere except in Montgomeryshire, and less than a quarter of the average over large areas. Totals of less than half an inch occurred south-east of a line from Norfolk to Hampshire and in a belt from the Humber to Aberdeenshire. Totals exceeding 4 inches were confined to high ground in Wales, the English Lake District and parts of the west of Scotland.



Rainfall, April 1953, as per cent of average

April. The weather was unsettled apart from a fine spell from the 18th to the 25th. Mean temperature was below the average. There were rather frequent thunderstorms, and gales at times in exposed places, but sunshine exceeded the average almost everywhere.

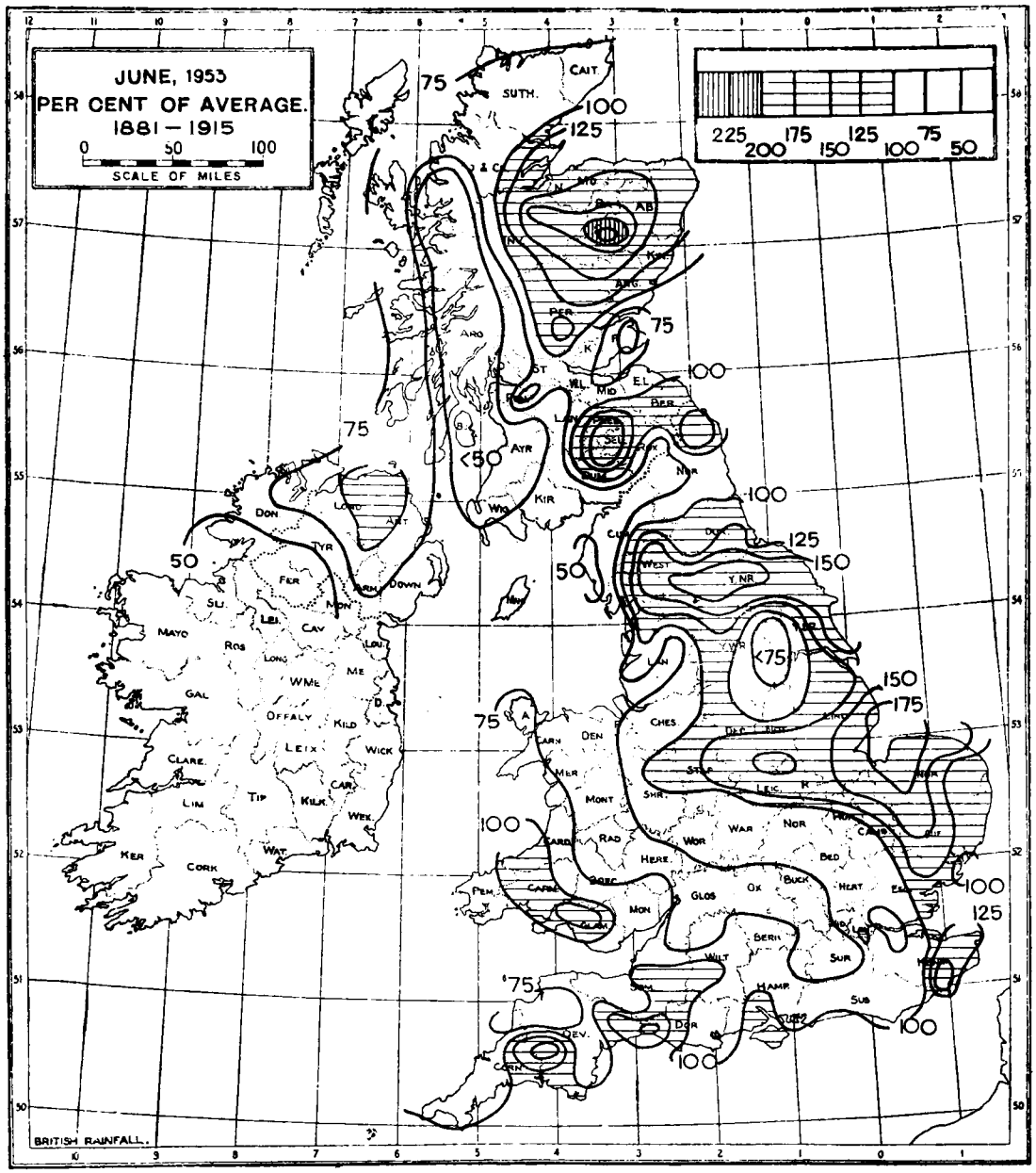
Falls exceeding 150 per cent of average occurred widely, especially in the south-east and east, but there was less than the average over much of Northern Ireland, in parts of central Scotland and in small areas in Hampshire and Kent. Totals of less than 2 inches were recorded over the east Midlands from Bedfordshire to south Yorkshire, from Suffolk to east Sussex, and around the Isle of Wight. More than 6 inches fell on high ground in west Scotland, the English Lake District and restricted areas in Wales.



Rainfall, May 1953, as per cent of average

May. The weather was generally warm and sunny but with some unsettled periods from the 12th onwards. Ground frost occurred during the first fortnight but later in the month it became very warm, the temperature reaching 89° F on the 25th at Farnham and London Airport. There were many thunderstorms—those of the 24th being widespread and severe in northern and central districts, causing much flood damage, particularly in west Scotland.

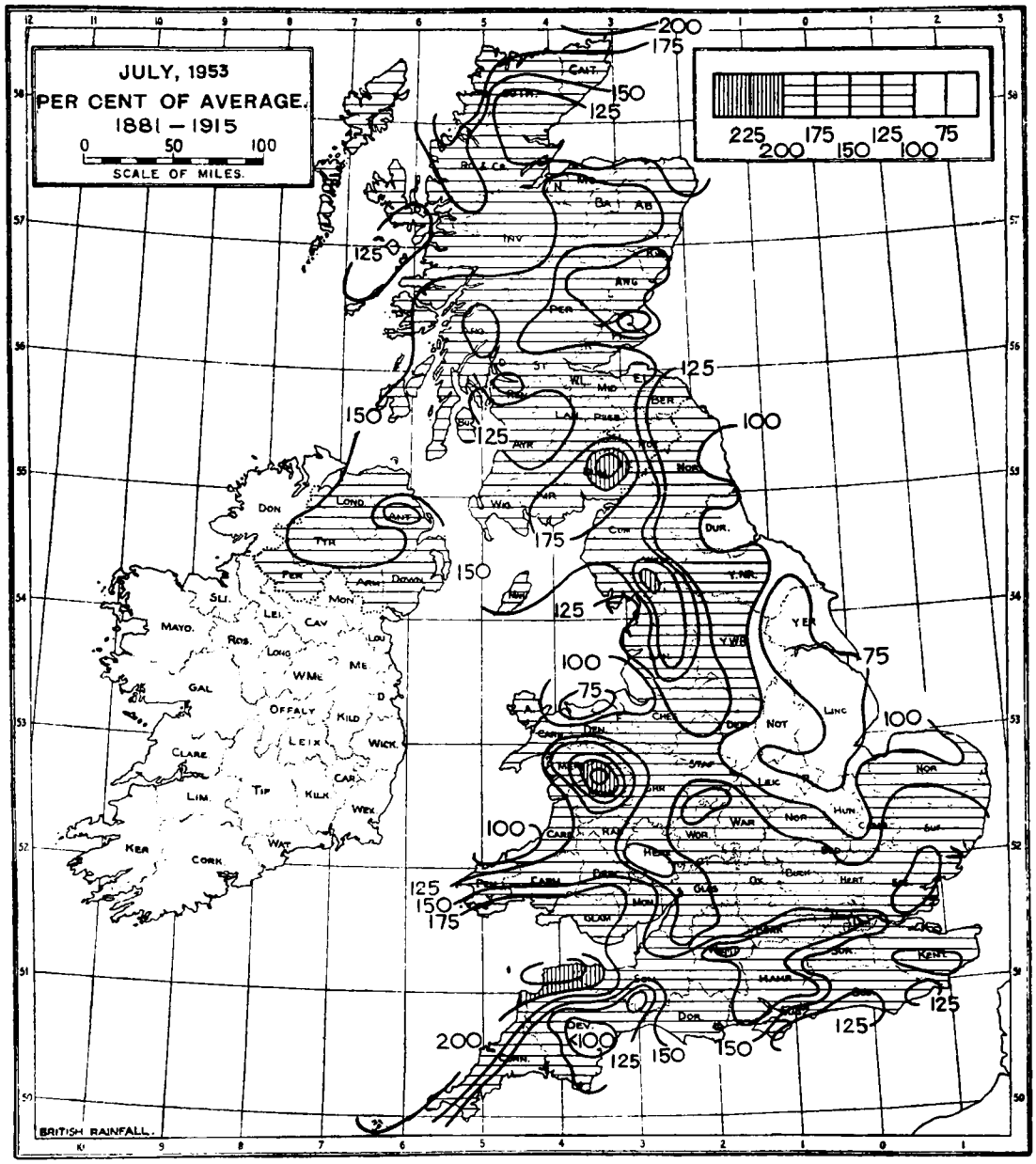
Totals were generally about average, but there was less than 75 per cent over parts of eastern England, central Wales and the east of Northern Ireland, and more than 150 per cent of the average locally in south-west England and across central Scotland from Mull to Inverness. Totals ranged from about 1·5 inches in the east to over 8 inches locally in the west.



Rainfall, June 1953, as per cent of average

June. The weather was dull in most places, and quieter than usual, particularly in northern districts—the total run of the wind at Lerwick was the lowest since available records began in 1931 and the lowest at Southport since 1932. The month was cold at first—Oxford registered on the 3rd the second coldest June day since records began—but later temperatures rose locally to 80° F. Thunderstorms were severe on the 16th, 25th and 26th. On the 26th 3·54 inches fell in 55 minutes, at Eskdalemuir, the largest fall so far on record within that period.

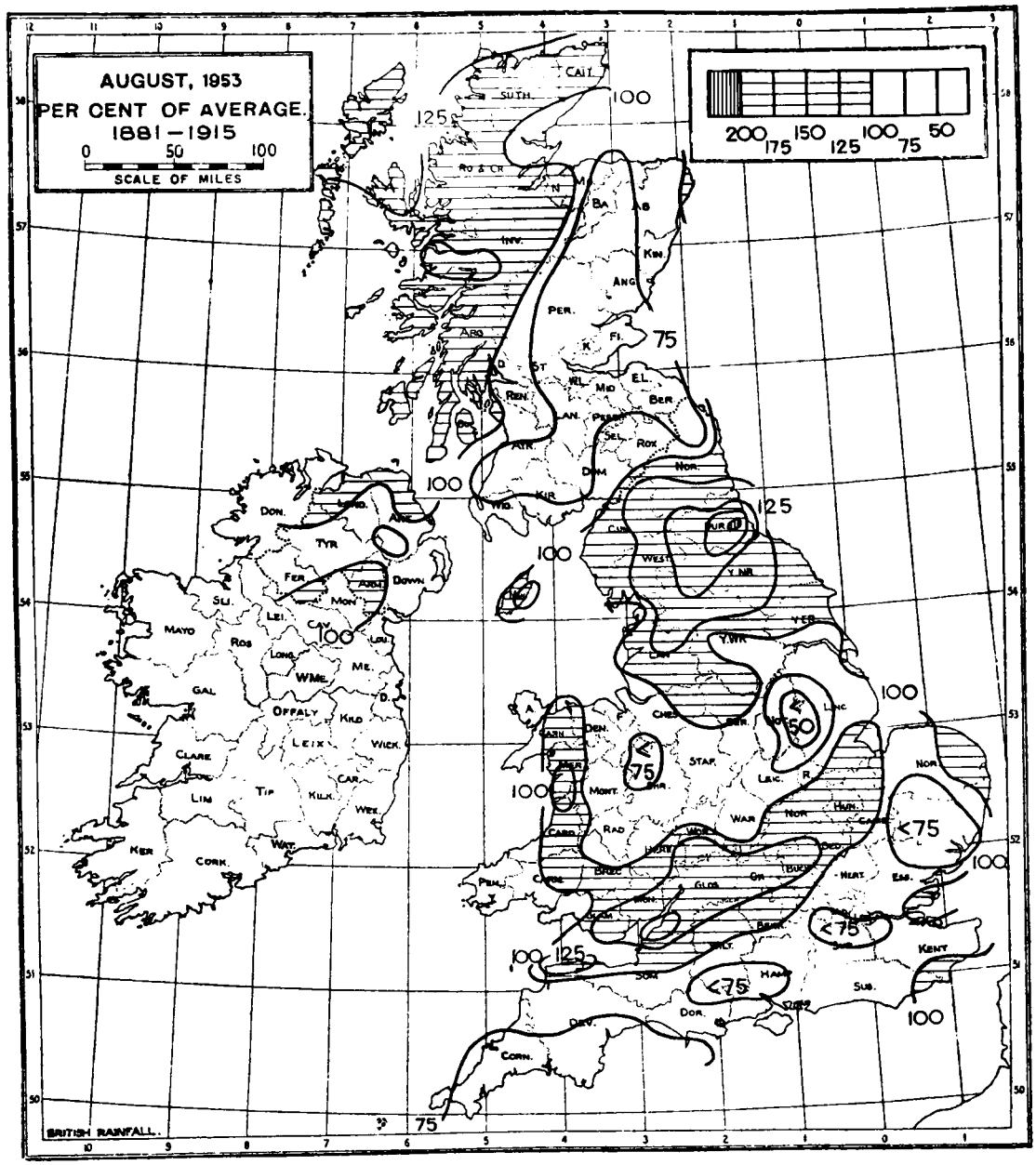
In general the rainfall was more than the average in the east, and less in the west. This distribution of percentage values offset orographical effects and resulted in the narrow range of totals: most areas had between 1·5 and 5 inches.



Rainfall, July 1953, as per cent of average

July. Mean pressure was below the average and the total run of the wind was considerably greater than the average over England; at Oxford it was the windiest July since records began in 1881. After the first few days the weather was unsettled and rather cool. Thunderstorms were again frequent.

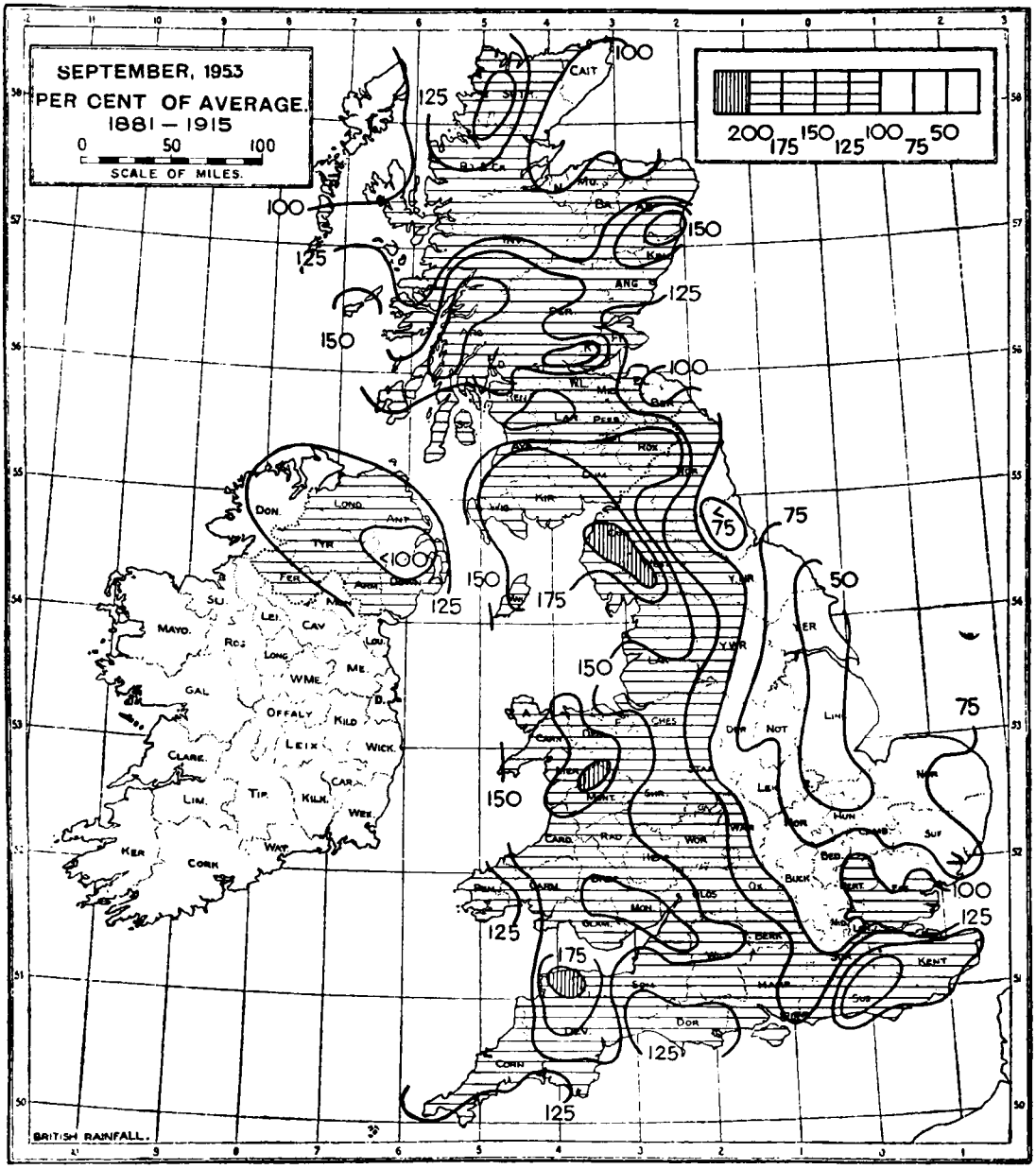
The largest area with less than the average was a belt from Cambridgeshire to Durham. More than twice the average rainfall occurred at Lerwick, Eskdalemuir, Lake Vyrnwy and the north coast of Devonshire. Totals of less than 2 inches were confined mainly to Lincolnshire and the Yorkshire and Norfolk coasts. More than 15 inches fell in Snowdonia, and at Borrowdale in the Lake District the total was 22 inches. At Greenock, with 6·70 inches, it was the wettest July since 1884.



Rainfall, August 1953, as per cent of average

August. During the first fortnight the weather was mainly fair and warm, the temperature on the 12th reaching 90° F at many places in eastern and central districts of England. The latter half of the month was rather cool with frequent rain, heavy at times in some areas.

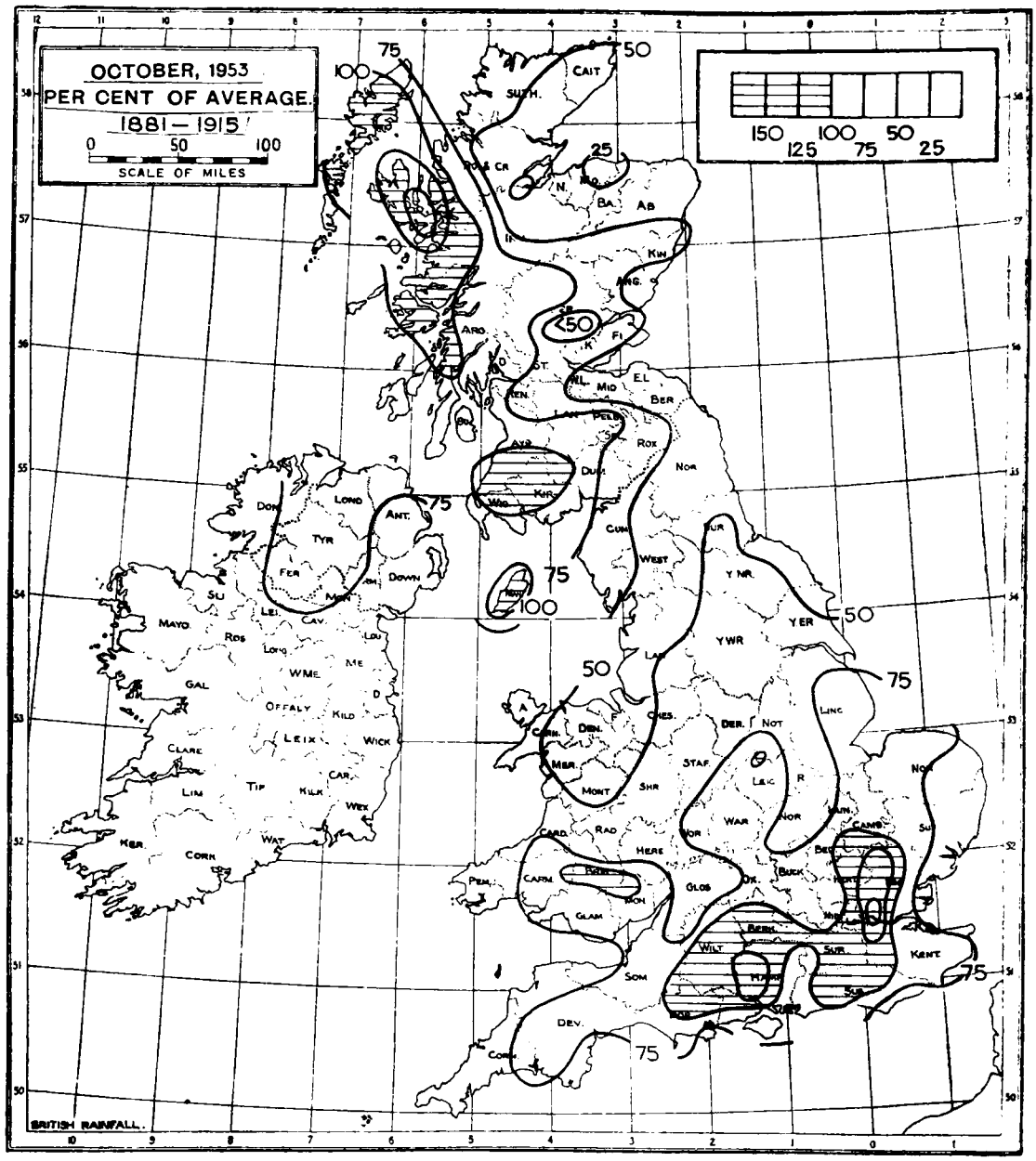
The rainfall was more than the average in a belt from the Wash to the Bristol Channel, over north England, much of Wales, north, west Scotland and parts of Northern Ireland. Rather less than half the average fell on the borders of Nottinghamshire and Lincolnshire. Totals of less than two inches occurred along the valley and around the estuary of the Thames, over much of Dorset and Hampshire, and in small areas of east Scotland. Totals exceeding 10 inches were recorded on the high ground in north Wales, the Lake District and the west of Scotland.



Rainfall, September 1953, as per cent of average

September. Apart from a fine period from the 5th to the 14th the weather was changeable. Mean temperature exceeded the average readings approaching 80° F from the 6th to the 8th. An exceptionally deep depression gave widespread gales and heavy rain in places on the 21st.

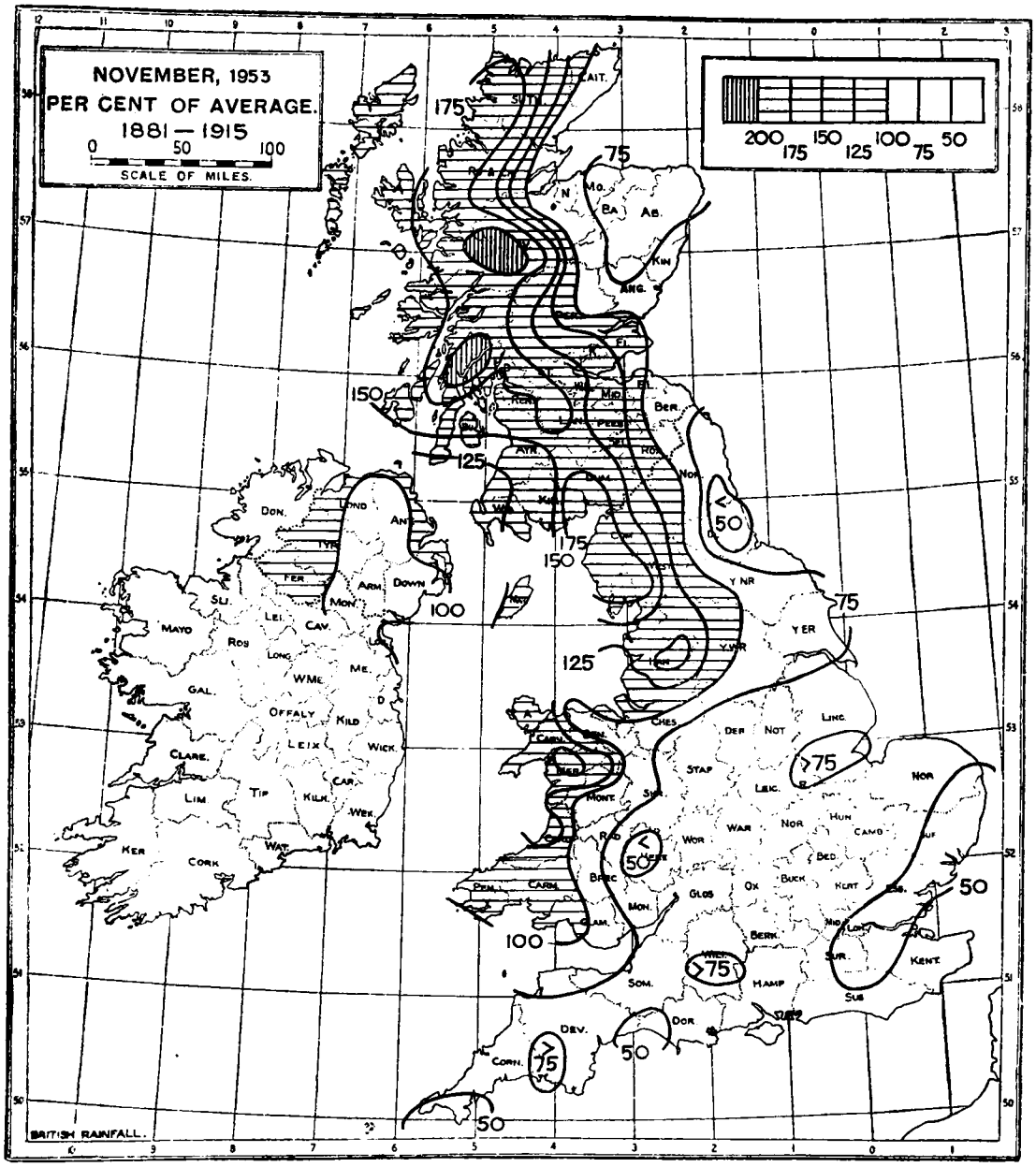
Over the eastern half of England, north of the Thames, the rainfall was less than the average, with totals of less than 2 inches, and less than 1 inch in a belt from Bedfordshire to the Humber. Elsewhere the rainfall was mostly above the average, values exceeding 150 per cent in a belt from Devon to the south-west of Scotland and 200 per cent in parts of North Devon, north Wales and the Lake District. Totals of more than 10 inches occurred in large areas in the north-west, reaching about 30 inches near Scafell.



Rainfall, October 1953, as per cent of average

October. Dry anticyclonic weather alternated with unsettled periods, but over England and Wales it was unusually quiet: at Oxford the total run of the wind was the lowest for October, except for that of 1951, since records began in 1881. Fog frequently occurred at night and in the early morning, and sunshine totals were generally less than the average. A widespread gale occurred on the 26th and the 27th.

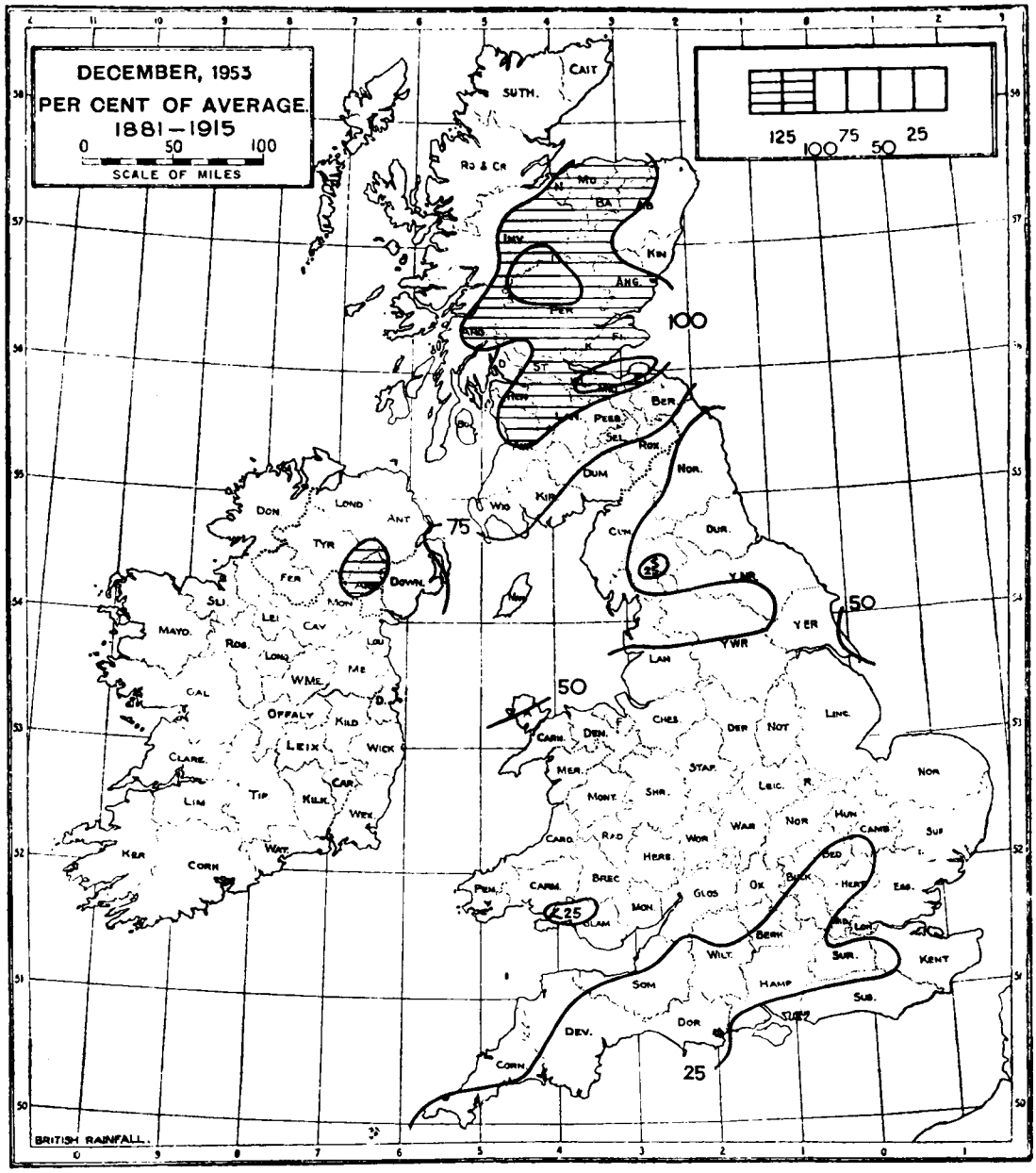
Rainfall exceeded the average in parts of the Thames Valley, South Wales, Southern Uplands and Western Highlands. Totals failed to reach 2 inches over large areas from Yorkshire to Caithness and over the north-west Midlands. More than 4 inches occurred over parts of southern England and over the high ground in the west of Britain, exceeding 10 inches locally in the English Lake District and west of Inverness-shire.



Rainfall, November 1953, as per cent of average

November. Although the mean pressure exceeded the average over most of the country, the gradient was greater than usual and gales occurred rather frequently in exposed places. The wind was mostly between south and south-west, and the month was unusually mild. A changeable type of weather prevailed generally until the 9th and predominated in the north throughout the month, otherwise conditions were mainly anticyclonic.

The rainfall exceeded twice the average in parts of the Western Highlands of Scotland but was only half the local average in the south-east of England. Large totals were recorded in mountainous districts, and the range over the country was unusually large. Less than 2 inches fell over most of England except the south-west, the north-west and much of Yorkshire; while more than 20 inches occurred in Snowdonia, in the English Lake District and in the Western Highlands.



Rainfall, December 1953, as per cent of average

December. A mild southerly type of weather with little rain prevailed until the 18th after which the weather became changeable, mainly westerly in type, for the remainder of the month. Like November the month as a whole was unusually mild.

Rainfall was less than half the average over most of England and Wales, but about average over most of Scotland and Northern Ireland. Totals of less than an inch predominated south-east of a line from Plymouth to Hull and near the coasts of Northumberland and Durham. More than 10 inches fell in the English Lake District and widely over the Western Highlands of Scotland.

Table 8c. Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1953

ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in	in.
London 2	St. Pancras (Camden Square)	·92	1·48	·43	2·50	1·41	1·63	4·09	2·08	1·78	2·79	·83	·63	20·57
Surrey.....6	Shottermill (Sewage Works)	1·25	1·64	·49	2·65	2·87	2·00	4·09	1·98	3·12	4·13	1·63	·93	26·78
,, ...6	Godalming (Kingscote)	1·33	1·47	·62	2·14	2·40	1·45	3·94	1·40	2·40	3·75	1·46	·96	23·32
,, ...6	Byfleet (Wisley R.H.S. Gardens) ...	·96	1·25	·43	2·28	1·67	1·26	3·54	1·17	2·02	3·19	1·55	·69	20·01
Kent.....1	Dover (Waterloo Crescent)	1·06	2·36	·27	1·55	1·73	2·23	2·73	2·12	2·99	3·12	2·18	1·45	23·79
,, ...2	Ashford.....	1·66	2·05	·27	1·66	1·43	2·90	2·66	2·21	3·75	2·69	2·00	1·20	24·48
,, ...4	Edenbridge (Falconhurst)	1·27	1·35	·31	2·67	1·52	1·69	3·41	1·98	4·02	4·08	1·51	·77	24·58
,, ...4	East Malling (Research Station)....	1·09	1·22	·21	2·44	1·90	1·50	2·83	1·82	3·10	2·76	1·33	·74	20·94
,, ...4	Strood (Waterworks)	·81	1·28	·24	2·09	1·73	1·66	3·91	1·29	2·72	2·20	·82	·76	19·51
,, ...5	Bromley	·96	1·52	·49	2·25	1·87	1·85	3·49	1·38	2·54	4·29	1·09	·79	22·52
Sussex.....1	Bognor Regis (Waterloo Square)....	1·29	1·33	·25	2·08	1·58	1·41	2·65	1·68	3·06	3·12	1·75	·83	21·03
,, ...1	Compton (Compton House).....	1·43	2·03	·55	2·41	3·24	2·30	5·25	2·47	3·16	4·21	1·97	1·12	30·14
,, ...2	Horsham (Sewage Disposal Wks.)..	1·11	1·30	·30	2·08	1·94	1·40	2·99	1·68	3·75	3·55	1·67	·78	22·55
,, ...3	Worthing (Beach House Park)	1·18	1·06	·22	2·53	2·09	1·86	2·47	1·81	3·95	4·37	1·90	·88	24·32
,, ...5	Hailsham (Magham Down).....	1·10	1·37	·22	1·76	1·31	1·46	3·55	2·47	3·86	3·11	2·77	·63	23·61
Hampshire.....1	Ventnor Park.....	1·33	1·09	·37	1·16	2·51	1·89	2·56	1·62	3·34	3·08	2·25	·99	22·19
,, ...4	Burley (Anderwood Cottage)	1·02	1·61	·64	2·38	2·93	2·60	3·48	1·88	3·56	3·81	1·85	·78	26·54
,, ...4	Southampton (East Park)	·92	1·42	·54	1·80	2·65	2·70	4·38	1·86	3·46	5·66	1·33	·80	27·52
,, ...5	Portsmouth (Southsea Common)...	1·12	1·20	·38	1·27	2·34	1·40	2·50	1·57	2·61	3·05	1·63	·65	19·72
,, ...5	Winchester (Recreation Ground)...	·90	2·03	·65	2·40	2·32	1·91	3·39	2·31	2·65	4·57	1·34	·83	25·30
,, ...8	South Farnborough (R.A.E.)	·79	1·38	·43	2·05	1·83	1·35	2·81	2·02	1·97	3·14	1·72	·65	20·14
Berkshire 4	Shinfield (Univ. Hort. Farm)	·90	1·41	·32	2·60	1·78	1·55	3·84	1·73	2·25	3·15	1·01	·59	21·13
,, ...5	Didcot (Sewage Works).....	·89	1·30	·51	2·58	1·84	2·78	2·61	1·64	2·15	3·32	1·56	·52	21·70
Hertfordshire 2	Harpenden (Rothamsted)	1·14	2·17	·47	2·51	1·65	2·22	3·81	1·53	1·96	2·93	1·76	·61	22·76
,, ...3	Royston (Therfield Rectory).....	·98	1·62	·58	1·92	1·48	1·70	3·10	2·54	2·25	2·95	1·34	·54	21·00
Buckinghamshire .2	Princes Risborough (Research Lab.)	·95	1·92	·54	2·44	1·54	1·73	3·22	2·19	2·08	2·93	1·38	·55	21·47
,, .3	Slough (Upton).....	·81	1·58	·37	2·30	1·29	1·45	3·14	1·58	1·60	2·66	1·58	·55	18·91
,, .3	Penn (Rayners)	·89	2·15	·58	2·58	1·87	2·96	4·24	2·42	2·39	2·99	1·62	·71	25·40
,, .5	Oving House	1·05	1·45	·72	2·58	1·77	2·19	3·57	3·14	1·63	2·54	1·66	·71	23·01
Oxfordshire.....3	Oxford (Radcliffe Met. Station)....	·85	1·58	·67	2·08	1·68	1·59	3·23	2·92	1·85	2·20	1·55	·70	20·90
,, ...3	West Adderbury (Cross Hill)	1·05	1·47	·83	1·95	1·24	1·78	2·88	3·04	1·81	2·86	1·19	·84	20·94
Northamptonshire.4	Norton Junction.....	1·11	1·53	1·31	2·06	1·17	2·24	2·67	2·45	1·62	2·93	1·36	·81	21·26
,, .4	Wellingborough (Swanspool)	·98	1·54	·83	1·99	1·42	1·81	2·72	2·70	1·12	1·54	1·50	·62	18·77
Huntingdonshire..1	St. Ives (Tenterleas)	·79	1·74	·37	1·57	1·88	2·10	2·42	2·34	·73	2·24	1·21	·63	18·02
,, ..1	Whittlesea Mere	1·05	1·24	·88	1·79	1·39	2·68	1·88	2·40	·89	2·13	1·18	·49	18·00
Bedfordshire 3	Woburn (Experimental Farm)	1·16	1·62	·62	2·34	1·64	1·92	2·98	3·11	1·41	2·13	1·31	·58	20·82
,, ...3	Sandy (Mogerhanger Park).....	1·01	1·59	·49	1·75	1·42	2·26	2·27	2·46	·94	2·24	1·19	·58	18·20
Cambridgeshire...2	Cambridge (Botanic Gardens)	·90	1·45	·48	2·13	1·70	1·94	1·98	2·54	1·25	2·62	1·19	·58	18·76

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cambridgeshire...2	Littleport (Highfield House)	·86	1·02	·35	1·50	1·48	3·52	2·77	2·14	·94	2·35	1·09	·83	18·85
,, ...2	March	1·03	1·60	1·09	1·75	1·66	3·19	2·37	2·50	·77	2·09	1·34	·79	20·18
Essex 1	Hatfield Broad Oak (Barrington)	·94	1·75	·45	2·47	1·70	2·04	3·30	1·95	1·75	3·70	1·19	·79	22·03
,, ...2	North Weald (Canes)	·86	1·98	·48	2·77	1·52	1·71	2·91	1·47	1·87	3·58	1·11	·57	20·83
,, ...3	Shoeburyness	·85	(1·20)	·25	1·61	1·49	2·06	2·53	1·92	1·86	1·57	1·13	·63	17·10
,, ...4	Bradwell-on-Sea (Bellropes)	·83	·73	·22	1·85	1·46	2·53	2·58	1·48	1·87	1·85	1·00	·55	16·95
,, ...4	Maldon	·82	·93	·31	1·78	1·10	1·86	2·81	1·18	2·01	2·37	·36	·75	16·28
,, ...5	Halstead (The Brewery)	·93	1·09	·31	2·12	1·58	2·60	3·00	2·02	2·10	2·59	1·23	·79	20·36
,, ...6	Dovercourt	·68	·99	·23	2·08	1·44	1·75	2·92	1·22	1·28	1·68	·90	·80	15·97
Suffolk 2	Ipswich (Belstead Hall)	·86	1·00	·27	1·80	1·93	2·82	2·47	1·39	1·48	2·04	1·29	·68	18·03
,, ...4	Lowestoft (Secondary School)	·96	1·36	·30	1·74	1·14	1·83	2·51	2·30	1·61	1·67	·96	·88	17·26
,, ...5	Bury St. Edmunds (Westley Hall)	1·10	1·06	·59	2·50	1·62	3·48	3·72	1·84	1·38	2·62	1·30	·86	22·07
Norfolk 1	Cawston (New Street)	1·40	1·94	1·45	2·03	1·21	2·49	1·86	2·07	1·35	2·54	1·71	1·18	21·23
,, ...2	Sprowston	1·37	1·76	·53	1·94	1·17	2·06	2·21	2·67	1·91	2·23	1·38	1·11	20·34
,, ...3	Sandringham House Gardens	1·23	1·93	1·05	2·77	1·43	4·24	2·50	2·42	1·45	2·91	1·81	1·17	24·91
,, ...3	Cromer (Howards Hill)	1·67	1·64	·96	2·27	1·34	2·61	2·46	2·51	1·27	2·51	1·49	1·19	21·92
,, ...3	Wells (Outfall Sewage Works)	1·31	(1·52)	·87	2·29	1·58	2·72	1·95	1·83	1·01	2·05	1·39	1·15	19·67
,, ...4	Thetford (Waterworks)	·95	1·22	·48	1·97	1·85	3·29	2·79	1·93	1·31	2·59	1·50	·71	20·59
,, ...4	Swaffham (Saham Toney)	1·10	1·63	·53	2·38	2·20	3·67	2·69	2·48	1·30	2·36	1·53	1·07	22·94
Wiltshire 3	Fonthill House Gardens	·92	2·43	·70	3·79	2·02	2·29	3·86	3·70	3·99	4·17	2·17	1·21	31·25
,, ...3	Porton (C.D.E.E.)	·86	1·31	·37	2·83	1·93	1·73	3·25	1·64	2·62	3·42	2·21	·75	22·92
,, ...3	Larkhill (School of Artillery)	·86	1·57	·48	2·98	1·61	2·40	3·89	1·75	2·92	3·64	1·91	·76	24·77
,, ...5	Aldbourne (Manor House)	1·45	1·61	·77	2·64	2·29	2·26	2·96	3·14	3·31	3·94	1·59	1·01	26·97
Dorset 3	Creech Grange	1·10	2·07	·59	2·56	3·09	1·97	3·94	2·49	2·98	3·07	2·69	1·03	27·58
,, ...3	Beaminster (East Street)	1·15	2·05	·67	3·84	3·73	3·46	4·02	2·41	3·14	4·16	1·81	·89	31·33
,, ...4	Blandford (Bryanston)	·91	1·85	·71	2·55	2·63	2·88	3·38	1·59	4·09	3·70	2·28	·92	27·49
Devonshire, S. ...2	Plymouth (Mount Batten)	·90	1·68	·64	2·78	3·66	2·03	3·86	1·88	2·93	3·42	2·79	·75	27·32
,, ...4	Ashburton (West Street)	1·40	2·18	·89	3·48	5·28	2·77	3·47	2·76	5·52	4·81	3·43	·92	36·91
,, ...4	Princetown (H.M. Prison)	2·47	3·76	2·02	5·07	7·12	6·16	8·67	6·08	8·45	7·26	6·80	2·04	65·90
,, ...5	Teignmouth (Den Gardens)	·53	1·64	·37	2·67	3·48	1·77	2·12	1·31	3·02	2·78	1·86	·54	22·09
,, ...6	Crediton (Okefield)	·63	1·50	·73	2·14	1·99	1·68	2·32	2·44	3·63	2·83	2·65	·90	23·44
,, ...7	Sidmouth (Loretto)	·74	2·04	·58	3·08	2·42	2·22	2·91	1·79	3·26	2·77	1·71	·82	24·34
Devonshire, N....1	Ilfracombe (Bowling Green)	1·01	2·69	1·56	2·45	3·07	1·72	5·99	4·90	5·54	2·82	3·71	1·38	36·84
,, ...3	Okehampton (Uplands)	1·27	2·25	1·74	4·24	4·05	1·68	3·90	3·20	5·09	4·84	3·19	1·80	37·25
,, ...3	Torrington (Caynton House)	·91	2·15	1·05	2·73	3·77	1·63	4·85	3·31	4·54	2·96	2·94	1·60	32·44
Cornwall 1	Newquay (Mount Wise)	·78	1·72	·82	2·40	2·01	1·97	4·20	1·74	3·37	2·57	2·08	1·39	25·05
,, ...1	Bodmin (Castle Hill House)	1·51	1·95	1·02	2·91	4·16	3·29	4·06	2·06	3·69	3·11	3·42	1·81	32·99
,, ...1	Bude (School House)	1·22	1·65	1·01	2·34	2·45	1·13	4·47	2·75	3·49	2·05	2·56	1·32	26·44

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cornwall 2	Penzance (Morrab Gardens)	1·42	1·89	1·26	2·72	2·87	1·93	5·23	2·40	4·10	2·70	2·22	1·11	29·85
,, ...2	Falmouth Observatory.....	1·00	2·04	1·13	3·17	3·54	1·95	4·03	2·07	3·34	2·76	2·34	1·31	28·68
,, ...2	St. Austell (Poltair Public Gdns.)...	1·43	2·01	1·10	3·04	4·12	2·55	4·28	2·06	4·10	2·78	3·03	1·58	32·08
,, ...4	Scilly (Tresco Abbey).....	1·65	1·70	·94	2·86	2·83	1·85	4·57	2·25	2·59	2·05	2·33	1·87	27·49
Somerset 1	Litton (Sherborne Reservoir)	·81	2·98	1·16	3·71	2·44	2·35	5·39	3·73	4·82	3·24	2·85	1·09	34·57
,, ...1	Bath (Henrietta Park).....	·78	2·13	·68	2·57	1·89	1·42	2·80	3·23	3·70	2·41	1·39	·77	23·77
,, ...1	Long Ashton (Research Station) ...	·74	1·74	·93	4·07	1·91	2·15	4·12	5·36	3·48	2·86	2·05	·99	30·40
,, ...2	Street (Millfield)	·87	1·56	·76	3·09	2·18	2·17	3·24	2·74	2·61	2·59	1·80	1·17	24·78
,, ...2	Burnham (Dunstan House).....	·42	1·58	·66	2·95	1·47	3·48	4·35	3·21	3·53	2·41	2·03	·97	27·06
,, ...3	Chard (Fairlawn)	·81	1·55	·77	3·50	2·82	3·33	2·88	2·38	3·68	4·80	2·33	·59	29·44
,, ...3	Taunton (Vivary Park).....	·45	1·15	·60	2·68	1·59	1·47	1·83	1·95	2·63	3·09	1·78	·79	20·01
,, ...5	Brushford (Nurseries).....	·99	3·53	1·76	3·24	2·42	3·04	5·67	3·65	4·69	3·99	3·39	1·96	38·33
Gloucestershire...3	Cheltenham (Montpellier Gardens) .	·82	1·41	·68	2·35	2·33	1·64	2·44	3·28	2·95	2·07	·84	·77	21·58
,, ...4	Blockley (The Manor House).....	1·30	1·82	1·50	2·21	2·23	2·46	4·17	3·94	2·62	2·64	·89	·91	26·69
,, ...7	Lechlade (St. John's Lock)	·70	1·19	·98	1·67	1·69	1·41	2·57	2·98	2·23	2·92	1·05	·60	19·99
,, ...7	Cirencester (Somerford).....	·77	1·56	1·41	2·69	2·61	1·51	3·24	4·03	3·01	2·45	1·98	·98	26·24
Herefordshire 1	Ross-on-Wye	·61	1·36	·95	3·00	2·01	1·67	2·18	2·83	3·09	2·56	1·51	1·19	22·96
,, ...1	Vowchurch (Ladywell House).....	·77	1·60	1·75	2·85	1·98	1·74	2·51	2·51	3·37	2·78	1·48	1·70	25·04
,, ...1	Presteigne (Middlemoor)	·72	1·90	1·93	3·23	1·69	1·52	2·76	3·35	3·71	2·33	2·52	1·52	27·18
Shropshire.....3	Bromfield (Oakly Park)	·56	1·86	1·34	3·02	2·29	1·62	3·38	2·69	3·06	2·32	2·17	1·25	25·56
,, ...3	Church Stretton (Sewage Works)...	·79	2·14	1·26	3·27	2·64	1·97	2·95	2·97	2·77	2·41	2·29	1·50	26·96
,, ...3	Shrewsbury (Monkmore).....	·60	1·49	1·17	2·80	2·03	2·30	2·58	1·75	2·44	1·95	1·85	1·08	22·04
,, ...4	Oswestry (Mount Reservoir).....	·93	1·95	1·44	3·46	2·38	2·02	3·06	3·24	3·74	1·58	3·25	1·57	28·62
Staffordshire 1	Keele (Univ. Coll. of N. Staffs)	1·11	1·86	1·18	2·53	2·21	4·42	2·92	3·10	2·39	2·14	1·70	1·51	27·07
,, ...3	Lichfield (Hanch Reservoir)	·79	1·34	1·13	2·66	2·61	2·29	2·29	2·70	2·05	1·72	1·45	1·19	22·22
,, ...3	Stafford (Victoria Pleasure Ground)	·70	1·56	1·19	2·18	2·76	2·97	2·62	2·41	2·08	1·29	1·60	1·24	22·60
Worcestershire ...1	Malvern (Free Library)	·46	1·36	1·12	2·53	2·79	1·97	3·31	4·20	2·49	2·24	1·36	1·37	25·20
,, ...2	Stourport (Lincombe Lock)	·76	1·66	1·37	2·83	2·43	2·80	2·62	2·84	2·28	2·43	1·28	·97	24·27
Warwickshire 1	Alcester (Arrowside).....	·73	1·18	·98	1·94	1·44	1·41	3·83	3·43	2·13	1·50	1·11	·72	20·40
,, ...1	Leamington Spa (Pump Room Gdns.)	1·18	1·17	·92	1·87	1·31	1·57	3·06	2·43	1·78	2·36	1·06	·88	19·59
,, ...1	Coventry (City Hospital).....	1·01	1·27	1·12	1·91	1·42	1·97	2·98	2·72	1·84	2·78	1·07	·80	20·89
,, ...4	Birmingham (Edgbaston Observatory)	·97	1·22	1·66	2·77	2·96	1·92	3·57	2·45	2·33	2·21	1·37	1·19	24·62
Leicestershire 2	Caldecott (Eye Brook Reservoir)...	·78	1·65	1·02	1·68	1·64	3·16	2·12	2·73	1·26	1·86	1·48	·63	20·01
,, ...4	Thornton Reservoir	1·15	1·62	1·56	2·37	2·05	3·02	2·38	2·14	1·53	2·41	1·32	·97	22·52
,, ...4	Loughborough (Nanpantan Res.) ..	·85	1·48	1·69	2·32	2·48	3·16	1·62	2·92	1·56	3·00	1·50	·76	23·34
Lincolnshire 2	Spalding (Pode Hole)	1·00	1·88	·87	1·65	2·71	3·43	1·96	3·56	1·10	2·19	2·13	·77	23·25
,, ...3	Boston (Black Sluice, Skirbeck)....	·86	1·65	·79	2·13	2·62	3·14	1·40	3·02	1·13	2·40	1·61	·83	21·58
,, ...3	Cranwell Airfield.....	·76	1·19	·81	1·96	2·64	2·21	1·93	1·33	·83	2·04	1·42	·72	17·84

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lincolnshire 3	Horncastle	1·04	2·14	·83	2·84	2·46	2·89	1·70	2·82	·79	2·71	1·54	·92	22·68
,, ...3	Lincoln (Skellingthorpe Hall)	·88	(1·51)	·78	1·97	2·26	1·81	1·84	1·56	1·47	1·88	1·43	1·05	18·44
,, ...4	Skegness (Marine Gardens).....	·64	(1·80)	·81	2·53	2·23	3·38	1·92	2·20	1·22	2·50	1·17	·78	21·18
,, ...5	Brigg (Wrawby Road)	·91	1·60	·65	2·02	2·30	1·98	2·71	2·35	1·67	1·98	1·31	·98	20·46
,, ...5	Cleethorpes (Kings Parade).....	1·05	1·68	·95	2·18	2·45	2·29	1·62	2·78	1·01	2·15	1·29	·83	20·28
Nottinghamshire..5	Nottingham (The Castle).....	·86	1·47	1·08	1·87	1·88	3·15	2·33	1·90	1·34	2·25	1·38	·97	20·48
,, ..5	Mansfield (Carr Bank).....	·57	1·52	1·39	2·64	2·20	2·01	2·59	1·35	1·23	2·18	1·49	·84	20·01
,, ..5	Gringley Carr (Pumping Station)...	·96	1·58	·77	1·80	1·73	1·60	2·24	2·68	·92	1·93	1·13	1·12	18·46
Derbyshire.....6	Derby (Markeaton Park).....	1·03	1·78	1·15	2·37	2·19	2·43	2·44	2·92	1·62	2·17	1·89	1·01	23·00
,, ...6	Buxton (Terrace Slopes).....	2·60	2·19	3·01	4·48	2·43	3·52	5·50	5·14	3·37	2·53	3·28	2·43	40·48
Cheshire.....2	Northwich (Hunt's Lock)	1·04	1·17	1·46	2·61	1·87	1·68	3·00	3·33	2·62	1·69	2·09	1·21	23·77
,, ...3	Birkenhead (Bidston Observatory)..	·81	·98	·89	1·82	2·02	1·56	2·42	2·99	3·01	1·18	2·89	1·26	21·83
Lancashire, South.3	Manchester (Whitworth Park)	1·40	1·68	2·00	2·30	1·83	2·38	4·21	3·74	2·98	2·08	3·22	1·23	29·05
,, .3	Bolton (Queens Park).....	2·10	1·54	2·37	3·01	2·42	2·04	4·89	5·26	4·51	1·96	4·65	1·75	36·50
,, .3	Rochdale (Queensway).....	1·69	2·50	2·25	3·00	2·33	3·74	5·29	5·28	3·67	2·35	4·63	1·60	38·33
Lancashire, Central1	Squires Gate (Blackpool Airport)...	1·48	·78	·44	2·36	2·09	1·45	3·53	3·76	3·92	1·70	3·89	1·56	26·96
,, 1	Stonyhurst (College).....	2·34	1·80	1·68	3·40	2·46	1·70	7·61	6·47	5·83	1·86	5·87	2·48	43·50
,, 3	Southport (Bedford Road Park)....	1·42	·92	1·15	2·26	2·08	1·90	2·76	3·89	3·68	1·71	4·25	1·61	27·63
Lancashire, North 3	Morecambe	2·01	1·06	·49	2·98	1·84	1·54	3·87	3·45	4·33	1·80	5·20	2·35	30·92
,, 5	Garstang (Grizedale Reservoir)	2·05	1·68	·91	3·30	2·69	3·22	6·04	5·08	5·83	2·13	5·31	2·25	40·49
Yorkshire, W.R...1	Sedburgh (Brigflatts).....	3·45	3·82	1·34	3·54	2·45	5·91	7·90	6·53	7·95	2·14	7·88	3·41	56·32
,, ..7	Sheffield W.W. (Redmires Res.)....	1·66	2·54	2·47	3·63	2·78	3·29	3·89	3·58	2·16	2·27	2·57	2·15	32·99
,, ..7	Rawcliffe (Black Drain Pumpg. Stn.)	·52	1·54	·28	1·44	1·49	1·54	1·96	2·47	1·37	1·65	1·44	1·17	16·87
,, ..8	Huddersfield (Oakes)	1·05	3·23	2·47	3·12	1·89	2·86	4·21	3·28	2·39	2·16	3·85	2·05	32·56
,, ..8	Wakefield (Clarence Park).....	·46	1·53	·75	1·97	1·80	1·82	2·73	2·48	1·29	1·45	2·02	1·14	19·44
,, ..9	Bradford (Lister Park).....	·45	2·39	1·33	2·43	1·59	2·96	2·91	2·90	2·86	2·16	3·47	1·74	27·19
,, .10	Ilkley (Spence's Garden)	·68	2·46	1·19	2·62	1·40	2·12	3·47	3·84	3·12	2·05	3·76	1·73	28·44
,, .10	Oughtershaw	2·65	6·11	1·24	4·36	2·51	4·01	7·52	6·93	6·07	3·50	7·98	3·67	56·55
,, .11	Harrogate (Bilton Sewage Works)..	·51	2·05	·55	2·56	1·44	1·47	2·17	3·58	2·11	2·01	2·62	1·17	22·24
,, .11	Ramsgill (Raygill House).....	1·40	3·95	1·08	3·52	2·48	2·80	5·48	5·07	4·67	2·47	5·90	2·11	40·93
Yorkshire, E.R. ..2	Birdsall Gardens	1·19	2·50	·23	2·81	1·72	1·72	2·47	3·70	1·51	1·73	2·56	1·34	23·48
,, ..3	Hull (Pearson Park)	1·16	1·95	·54	2·12	2·30	3·52	2·20	2·52	·68	1·60	1·72	1·10	21·41
,, ..3	Lowthorpe (The Elms).....	1·41	2·25	·36	2·71	1·88	2·49	1·81	2·26	1·45	1·54	2·10	1·62	21·88
Yorkshire, N.R...1	Leyburn (Bolton Hall).....	·60	3·64	·71	2·71	2·19	2·80	2·43	3·47	3·05	2·29	2·37	1·69	27·95
,, ..2	Felixkirk (Mount St. John).....	·88	1·65	·09	2·51	1·84	4·13	3·47	3·64	1·85	2·01	2·42	1·21	25·70
,, ..3	York (Museum).....	·47	1·65	·23	2·16	1·74	1·24	1·74	2·88	1·19	1·59	1·98	1·31	18·18
,, ..5	Scarborough.....	1·10	1·82	·24	2·43	1·81	3·13	1·82	3·26	·84	1·45	1·94	1·06	20·90
,, ..5	Danby (Botton Hall)	1·60	2·28	·48	3·96	3·15	4·40	3·77	2·94	2·51	3·66	2·91	1·70	33·36

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in	in.
Yorkshire, N.R. . .6	Middlesbrough (Albert Park)	·78	1·71	·13	1·40	1·62	2·35	2·73	3·54	1·27	1·50	1·31	·86	19·20
,, . .6	Baldersdale (Hury Reservoir)	·99	1·49	·70	3·08	2·61	2·31	3·16	5·21	2·72	1·67	3·52	1·63	29·09
Durham 1	Darlington (South Park)	·44	2·22	·12	1·86	1·69	2·02	3·16	3·46	1·87	1·74	1·54	·93	21·05
,, ...1	Barnard Castle (Bowes Museum) . . .	·55	2·08	·33	2·52	3·11	2·39	2·49	4·24	2·14	1·75	1·89	1·18	24·67
,, ...2	Durham (Houghall Hort. Station) . .	·57	2·51	·10	2·06	1·46	2·74	2·51	4·74	1·12	1·69	1·12	·77	21·39
,, ...2	Weardale W.W. (Waskerley)	·76	1·68	·28	3·36	3·38	4·80	2·50	5·71	2·78	2·38	2·17	1·32	31·12
Northumberland. .3	Newcastle (Leazes Park)	·78	1·73	·09	2·45	2·00	2·05	3·13	4·20	1·82	1·29	·79	·79	21·12
,, . .4	Bellingham (High Green)	1·38	2·05	·75	3·76	2·78	1·58	4·09	4·36	3·74	1·39	3·50	1·79	31·17
,, . .5	Morpeth (Cockle Park)	·73	1·42	·22	2·23	1·84	2·03	2·41	3·51	1·61	1·42	1·51	·88	19·81
,, . .5	Howick Hall Gardens	1·14	1·24	·13	2·57	1·77	2·37	3·44	2·79	1·85	1·49	1·25	·98	21·02
,, . .6	Ilderton (Lilburn Tower Gardens) . .	1·43	1·69	·19	3·05	2·32	2·97	2·72	2·08	2·66	1·71	1·97	1·00	23·79
,, . .6	Mindrum	1·33	1·40	·21	3·02	2·72	2·17	3·89	2·50	3·04	1·33	1·92	1·64	25·17
Cumberland 1	Silloth Airfield	1·31	·97	·59	3·29	2·13	1·07	6·13	4·57	3·70	1·74	5·72	1·67	32·89
,, ...1	Geltsdale	2·08	1·06	·60	2·97	2·60	2·25	5·34	5·38	4·11	1·84	4·48	2·17	34·88
,, ...2	Borrowdale (Stockley Bridge)	10·50	8·50	3·25	7·75	4·25	5·50	22·00	11·75	29·50	9·00	27·50	9·50	149·00
,, ...2	Keswick (High Hill)	2·32	1·96	·79	3·82	2·49	1·57	6·50	5·93	8·95	3·35	10·05	3·50	51·23
,, ...3	Ravenglass (The Grove)	2·74	1·49	·39	2·52	2·54	1·10	5·23	4·56	5·64	2·50	8·28	2·80	39·79
,, ...3	Ennerdale (Gillerthwaite)	6·60	4·90	3·10	4·10	4·10	6·00	12·30	9·20	11·50	7·20	12·25	8·00	89·25
Westmorland. 2	Ambleside	4·86	4·58	1·22	4·63	3·05	5·99	9·63	8·53	12·04	3·53	13·79	2·01	73·86
,, ...3	Kendal (Gasworks)	3·22	2·82	1·05	3·07	2·51	3·52	6·58	5·42	7·70	2·02	7·52	3·56	48·99
Monmouthshire . .3	Newport W.W. (Nantypridd)	1·02	1·90	1·46	4·32	3·19	2·58	4·61	5·89	4·19	3·14	3·10	1·41	36·81
,, . .3	Abergavenny (Plas Derwen)	·74	1·80	1·77	4·13	3·08	2·28	4·31	3·44	4·68	5·29	2·38	1·72	35·62
Glamorgan 3	Swansea (Victoria Park)	1·69	2·88	2·96	3·09	3·64	2·30	5·86	6·04	4·89	3·59	4·70	1·65	43·29
,, ...3	Ystalyfera (Wern House)	2·31	4·85	4·71	5·33	4·46	4·80	8·55	5·47	7·23	5·64	7·87	1·94	63·16
,, ...6	Treherbert (Tyn-y-waun)	3·32	4·98	6·69	5·73	6·16	5·49	12·69	8·99	9·99	6·22	10·37	2·98	83·61
,, ...7	Cardiff (Penylan)	1·11	1·96	1·66	3·89	3·47	2·46	4·76	5·55	4·61	3·56	3·83	1·73	38·59
Carmarthenshire. .2	Llanddeusant (Pontcrynfe)	1·70	3·23	3·74	4·52	3·50	2·68	5·66	5·54	5·85	5·95	6·33	1·98	50·68
,, . .2	Abergorlech	2·57	3·91	3·95	4·66	3·54	4·07	6·46	5·62	7·10	6·60	6·97	2·35	57·80
Pembrokeshire . . .4	Tenby (The Priory)	1·76	3·09	2·45	2·32	2·84	1·92	5·40	3·40	3·84	3·58	4·41	1·39	36·40
,, . . .4	Haverfordwest (Hospital Grounds) .	1·64	3·28	2·83	2·86	2·52	2·73	4·17	3·79	4·02	3·52	5·01	1·48	37·85
Cardiganshire . . .2	Aberystwyth (Plant Breeding Stn.) . .	1·87	2·14	2·66	3·44	1·11	1·84	5·04	5·16	4·88	2·85	5·63	1·33	37·95
,, . . .2	Plynlimon (Llygad Rheidol)	5·60	6·60	5·80	6·00	5·10	2·80	12·70	9·30	7·70	3·50	9·50	2·60	77·20
,, . . .3	Cardigan (Plas Llangoedmore)	1·64	2·05	1·94	2·80	2·22	2·29	2·35	2·90	4·09	3·61	4·72	1·71	32·32
Brecknockshire . . .7	Swansea W.W. (Cray Res.)	2·43	3·54	5·62	6·35	4·40	3·09	6·79	4·76	7·37	5·40	7·50	2·76	60·01
Radnorshire 1	Birmingham W.W. (Tyrmynydd) . . .	2·14	2·85	5·13	4·99	3·19	2·14	5·56	4·49	6·23	3·71	5·51	2·21	48·15
Montgomeryshire .1	Corris (Ceinws Camp)	3·84	4·18	4·31	6·25	3·53	2·48	10·49	7·01	8·39	3·62	10·71	2·41	67·22
,, ...4	Newtown (Penarth Weir)	1·00	1·87	2·79	3·81	1·68	1·93	4·43	3·31	3·89	2·12	3·40	·99	31·22
,, ...5	Welshpool (County School)	·73	1·74	1·85	2·44	1·42	1·09	2·90	2·29	2·58	1·38	2·25	·74	21·41

Table 8c. Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Montgomeryshire .5	Lake Vyrnwy (Experimental Stn.) ..	2·17	3·87	5·19	5·00	3·23	2·09	8·09	5·01	7·36	2·78	8·14	2·08	55·01
Flintshire 1	Hawarden Airfield	·65	1·20	·75	2·40	1·97	1·34	3·32	2·15	2·95	1·39	1·99	1·12	21·23
„ 2	Bodfari (Nantlys)	·81	1·37	1·02	2·56	1·97	2·01	1·56	2·42	3·28	1·55	2·60	1·21	22·36
Denbighshire.....1	Wrexham W.W. (Pack Saddle Res.)	1·10	1·62	·92	2·56	2·37	2·01	2·75	2·59	3·69	1·74	3·04	1·37	25·76
Merionethshire ...1	Llandrillo (Crogen).....	1·23	2·19	1·98	3·41	2·45	2·09	3·48	3·85	5·72	2·81	5·40	1·10	35·71
„ ...3	Blaenau Festiniog (Oakeley Quarry)	6·67	8·26	5·31	7·07	5·55	4·46	15·32	11·31	12·48	4·68	16·12	5·15	102·38
„ ...4	Dolgelley (Bronygader)	2·75	3·67	2·85	5·90	3·93	2·61	6·91	7·05	7·62	3·96	9·77	2·94	59·96
„ ...5	Aberdovey (Plâs Penhelig).....	2·07	2·78	2·04	3·57	1·78	2·56	3·86	6·00	5·74	2·68	5·53	1·64	40·25
Caernarvonshire ..2	Llandudno (Cricket Ground)	·96	1·85	1·17	2·51	1·77	1·26	1·39	2·90	4·07	1·72	2·83	1·22	23·65
„ ..4	Pwllheli (West End)	1·93	2·53	1·28	3·63	2·90	1·26	3·52	2·56	3·33	3·16	6·63	1·70	34·43
„ ..5	Snowdon (Cwm Dyli).....	7·67	12·19	5·13	9·01	6·34	6·62	15·92	10·02	13·66	5·14	20·20	7·58	119·48
Anglesey	Holyhead (Valley Airfield).....	1·54	2·89	·80	2·96	2·71	·93	2·01	5·63	3·89	3·00	4·91	1·56	32·83
„	Llanerchymedd (Llwydiarth Esgob).	2·34	2·67	·99	3·28	3·21	1·80	2·99	2·89	4·62	2·85	5·65	2·45	35·74
Isle of Man	Douglas (Borough Cemetery)	2·25	2·18	·62	3·33	2·63	1·63	5·03	5·23	5·71	5·00	5·91	2·65	42·17
„	Point of Ayre.....	1·47	·87	·25	2·93	2·01	1·11	2·57	2·96	4·09	3·69	4·30	1·76	28·01
SCOTLAND														
Wigtownshire 1	Castle Kennedy (Lochinch).....	1·79	1·67	·45	1·71	2·65	1·14	7·08	2·75	6·28	4·75	5·85	4·02	40·14
„ 3	Port William (Monreith)	1·73	1·01	·49	2·12	3·04	1·03	4·45	2·46	5·78	3·85	4·97	3·48	34·41
„ 4	Newton Stewart (Little Barraer)....	1·96	1·33	·53	1·82	2·52	1·34	5·44	3·20	6·76	4·58	6·51	4·80	40·79
Kirkcudbrightshire3	Mossdale (Hensol)	2·15	1·55	·55	3·11	3·35	2·96	7·01	3·10	6·72	4·37	8·12	4·73	47·72
„ 5	Lochrutton (Dumfries W.W.).....	1·92	1·20	·59	2·92	3·20	1·79	5·87	3·46	5·05	4·02	7·30	3·59	40·91
Dumfriesshire 2	Dumfries (Crichton Royal Inst.) ...	1·23	·97	·48	2·67	2·37	1·70	5·94	2·85	5·17	3·76	6·90	2·65	36·69
....3	Durrisdeer (Drumlanrig).....	1·62	1·51	·56	2·22	2·66	1·63	5·88	2·88	5·80	4·42	6·80	5·63	41·61
„ 5	Canonbie (Irvine House).....	2·30	1·50	1·17	3·39	2·13	2·86	9·30	6·30	4·20	2·20	7·67	3·07	46·09
„ 5	Eskdalemuir Observatory.....	2·52	2·04	·91	4·40	2·90	5·50	9·56	4·90	5·74	3·55	8·73	4·38	55·13
Roxburghshire....3	Crailing.....	·72	1·05	·27	2·90	1·58	1·47	3·30	2·29	3·17	1·57	2·14	1·53	21·99
Peeblesshire.....1	Edinburgh W.W. (Talla Linns Foot).	2·40	2·07	·85	5·15	4·50	2·85	8·30	4·03	6·05	4·53	7·06	4·99	52·78
„ 2	Stobo Castle.....	1·14	1·21	·83	2·93	2·41	3·62	4·66	2·66	3·47	2·71	4·41	3·37	33·42
Berwickshire.....4	Marchmont House.....	·99	1·31	·37	2·82	2·39	2·57	3·40	2·27	2·46	1·46	2·32	2·45	24·81
East Lothian.....5	North Berwick Reservoir.....	·57	·75	·26	1·94	2·35	1·27	4·12	1·89	2·21	·94	2·23	2·72	21·25
Midlothian.....4	Moorfoot Hills (Rosebery).....	·69	·91	·40	2·85	2·50	2·13	4·33	1·98	2·76	1·52	4·23	3·26	27·56
„ 5	Pentland Hills (Morton).....	1·07	1·36	·63	3·45	2·58	1·37	5·05	2·58	3·07	1·91	5·55	2·83	31·45
„ 5	Edinburgh (Blackford Hill).....	·32	·72	·42	2·02	1·79	1·50	4·60	2·03	2·64	1·28	3·06	3·26	23·64
Lanarkshire.....4	Gartcosh (Gartloch Hospital).....	1·63	1·22	1·00	2·11	2·18	1·79	4·72	3·25	3·05	2·01	6·00	4·42	33·38
„ 5	Strathaven (Kype Reservoir).....	3·25	2·28	1·07	2·71	3·09	1·26	5·43	3·23	5·08	3·47	8·76	5·17	44·80

Table 8c. Monthly Rainfall – SCOTLAND (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lanarkshire.....5	Hamilton W.W. (Townhill).....	1·32	1·16	·92	1·76	1·70	1·10	3·79	2·95	2·79	1·90	6·85	4·71	30·95
Ayrshire.....3	Kilmarnock (Springhill House).....	2·88	1·56	·77	1·54	1·76	1·16	4·56	3·05	3·50	3·04	6·53	4·68	35·03
,, ...5	Maybole (Otterden).....	2·81	1·69	·74	1·80	2·00	·83	6·25	3·49	4·98	3·02	6·69	4·18	38·48
,, ...8	Colmonell (Knockdolian).....	1·52	1·49	·29	1·58	1·93	·84	4·91	2·18	6·30	4·84	6·04	4·31	36·23
,, ...13	Glen Afton (Ayr Sanatorium).....	2·55	1·92	1·10	3·78	3·88	1·11	5·51	3·37	7·29	5·10	7·54	5·46	48·61
Renfrewshire.....2	Glasgow (Queen's Park).....	1·23	1·34	·90	1·70	2·21	1·56	4·26	3·88	3·10	2·17	5·80	4·59	32·74
,, ...3	Greenock (Prospect Hill).....	3·64	3·36	2·38	2·58	3·04	1·24	6·70	5·00	7·16	4·89	11·23	6·92	58·14
Stirlingshire.....1	Falkirk (Arnotdale).....	1·51	1·44	·92	2·06	1·90	1·58	5·20	2·48	3·76	1·87	5·74	4·40	32·86
Buteshire.....1	Rothesay (Ardencraig).....	3·42	2·61	1·32	2·74	2·48	1·51	5·90	5·35	5·59	4·19	8·28	5·35	48·74
,, ...3	Dougarie Lodge.....	3·02	1·82	1·01	2·54	2·18	1·74	5·78	3·29	6·49	4·31	6·82	5·06	44·06
Argyllshire.....2	Morvern (Drimnin).....	5·12	4·48	2·34	3·87	3·64	2·41	6·67	6·01	6·69	6·83	11·39	7·31	66·76
,, ...3	Morvern (Kingairloch).....	9·98	8·07	3·90	6·23	7·48	2·63	10·09	10·86	14·95	8·83	18·66	13·08	114·76
,, ...4	Glenleven (Kinlochleven).....	10·56	5·85	3·58	6·65	7·00	1·51	10·90	7·03	12·10	6·96	15·52	11·03	98·69
,, ...7	Oban.....	5·61	4·58	2·56	3·32	4·38	·96	6·87	6·50	8·53	6·92	11·41	6·79	68·43
,, ...8	Lochgilphead (Poltalloch).....	4·16	2·91	2·03	4·41	5·35	1·40	6·37	7·29	8·73	5·82	12·28	6·01	66·76
,, ...9	West Loch Tarbert (Dunmore).....	2·87	2·85	1·37	2·36	3·41	1·53	5·36	4·90	6·89	3·49	7·59	4·41	47·03
,, ...10	Monybacach (Skipness).....	3·49	2·19	1·61	2·36	2·69	1·50	6·82	5·07	7·25	2·65	8·45	5·60	49·95
,, ...11	Ardrishaig (Canal Office).....	3·86	4·00	2·91	4·10	3·67	1·91	6·80	5·52	10·90	5·75	12·47	7·49	69·38
,, ...11	Inveraray Castle Gardens.....	7·06	6·43	3·74	4·75	3·89	1·58	8·83	7·81	11·07	5·93	17·24	10·02	88·35
,, ...12	Loch Eck (Benmore).....	7·14	5·43	3·33	5·08	4·10	1·97	10·28	8·16	13·03	6·63	18·86	9·73	93·74
,, ...14	Islay (Eallabus).....	3·14	2·82	1·95	2·04	3·57	2·53	5·45	4·71	6·94	4·40	8·61	5·59	51·75
,, ...14	Colonsay.....	3·74	2·58	1·90	2·84	4·50	2·11	5·22	5·97	6·04	3·77	9·50	5·17	53·34
,, ...14	Seil (An Cala).....	6·18	3·32	2·38	3·46	4·39	1·66	5·64	6·45	6·76	6·56	12·63	7·12	66·55
,, ...14	Mull (Gruline).....	5·70	5·43	2·52	5·93	4·80	2·70	6·59	8·11	10·64	9·03	13·14	9·18	83·77
,, ...14	Tiree Airport.....	3·03	3·26	1·33	2·84	2·30	1·46	4·52	4·63	5·63	4·45	7·97	4·64	46·06
Kinross-shire.....2	Loch Leven Sluice.....	·77	1·36	1·19	2·41	2·47	2·13	4·45	2·03	4·52	2·01	4·86	4·27	32·47
Fifeshire.....3	Leuchars Airfield.....	·49	·66	·45	2·47	1·66	·76	2·58	1·74	2·11	1·47	2·39	2·80	19·58
Perthshire.....1	Loch Dhu.....	4·90	4·21	2·62	4·11	5·72	2·59	7·13	6·07	9·03	6·00	13·62	9·49	75·49
,, ...3	Glengyle.....	6·16	5·04	3·44	5·74	5·92	2·44	9·03	5·95	11·98	8·22	14·45	11·10	89·47
,, ...4	Glendevon (Frandy).....	2·06	2·54	2·80	3·33	3·29	2·56	7·28	3·77	6·58	4·77	9·42	7·47	55·87
,, ...7	Lochearnhead (Ardloch).....	2·28	3·05	2·21	3·18	4·30	3·80	4·93	2·12	8·05	4·85	8·89	7·86	55·52
,, ...7	Crieff (Strathearn Hydro)	·70	·94	1·01	2·15	2·36	3·47	3·81	2·11	4·10	1·72	5·20	5·13	32·70
,, ...11	Aberfeldy (Tigh'n Eilean).....	·87	1·01	1·35	2·00	2·56	1·61	3·31	1·57	3·77	2·55	4·09	4·59	29·28
,, ...12	Tyndrum Manse.....	7·64	6·79	3·36	6·17	5·49	1·82	9·10	8·46	11·11	9·09	17·29	12·38	98·70
,, ...14	Loch Rannoch (Station).....	5·57	5·68	3·24	4·70	4·30	1·62	6·84	5·09	6·31	3·98	10·86	(8·00)	66·19
,, ... 14	Fincastle House.....	·87	1·04	1·03	1·48	3·12	2·91	2·93	2·35	4·22	2·87	3·48	5·13	31·43
Angus.....1	Kirriemuir (Glen Damff).....	(1·30)	1·80	1·10	2·70	3·10	2·70	4·20	(2·50)	5·00	4·20	4·00	4·80	37·40
,, ...2	Dundee (Clatto Reservoir).....	·68	·79	·41	1·65	1·68	1·14	3·26	2·07	2·51	1·20	2·36	3·41	21·16

Table 8c. Monthly Rainfall—SCOTLAND (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Angus.....3	Arbroath (Springfield Park).....	·50	·61	·17	2·34	1·94	1·52	3·57	1·91	2·44	1·14	2·12	2·99	21·25
,, ...3	Forfar Waterworks (Den of Ogil)...	·92	1·24	·70	3·51	2·15	2·54	4·21	2·53	3·25	1·73	3·21	4·56	30·55
,, ...4	Montrose (Sunnyside Asylum).....	·81	·89	·39	3·56	1·94	1·66	3·25	2·32	2·64	1·26	2·51	3·35	24·58
Kincardineshire...3	Strachan (Bridge of Dye).....	·80	1·01	·34	4·46	2·47	3·01	4·13	1·80	3·65	1·92	3·22	4·07	30·88
Aberdeenshire....1	Braemar (Bank).....	1·01	1·37	·65	2·49	2·62	3·19	3·35	2·03	3·06	2·18	3·01	4·11	29·07
,, ...1	Logie Coldstone School.....	1·72	1·15	·36	2·81	1·63	3·35	3·83	1·32	2·42	1·03	1·70	2·50	23·82
,, ...2	Dyce (Craibstone).....	1·20	1·26	·30	2·52	2·62	2·52	4·53	2·51	4·23	1·89	2·53	2·75	28·86
,, ...3	Haddo House.....	2·06	1·57	·20	2·29	1·54	3·19	4·14	2·81	4·18	1·60	2·22	2·41	28·21
,, ...4	New Deer School House.....	1·63	1·78	·28	2·62	1·79	2·78	3·76	2·65	3·06	1·61	1·93	2·66	26·55
,, ...4	Peterhead (Forehill Works).....	1·87	1·37	·24	1·64	1·69	2·91	1·84	1·91	1·81	·96	1·90	2·50	20·64
Banffshire.....2	Turriff (Forglen Gardens).....	2·33	1·89	·25	2·07	1·67	3·89	4·15	2·30	2·88	1·16	1·72	2·97	27·28
,, ...3	Glenlivet (Clashnoir).....	·94	1·17	·29	2·33	2·17	6·53	7·04	1·85	2·68	1·63	2·51	3·20	32·34
,, ...3	Ballindalloch.....	2·36	1·99	·77	3·42	2·27	3·67	6·89	1·99	3·00	·91	1·71	3·24	32·22
Morayshire.....2	Fochabers (Gordon Castle).....	1·74	1·80	·50	2·28	1·52	3·05	3·97	2·12	2·92	·75	1·82	2·96	25·43
Nairnshire.....2	Nairn (Achareidh).....	1·05	1·42	·91	2·06	3·07	2·55	4·05	2·73	2·07	·80	2·27	2·14	25·12
Inverness-shire ..2	Dalwhinnie.....	2·30	2·45	1·79	3·13	3·48	3·10	4·57	3·48	3·91	3·57	7·55	6·84	46·17
,, ...2	Glenshero.....	2·94	4·03	1·82	3·36	3·06	2·30	4·51	4·15	4·62	2·73	9·22	7·17	49·91
,, ...6	Fort Augustus (Auchterawe).....	4·10	4·29	2·34	3·50	5·24	3·18	3·57	4·05	4·89	2·35	9·09	5·99	52·59
,, ...6	Loch Ness (Garthbeg).....	2·44	2·99	2·08	4·02	3·88	4·27	4·47	3·73	3·66	1·58	5·78	5·25	44·15
,, ...6	Inverness (Culduthel Reservoir)....	·95	1·57	1·05	2·89	4·05	2·79	3·85	2·91	2·48	·60	2·22	2·61	27·97
,, ...7	Loch Quoich (Glenquoich).....	14·18	10·80	5·01	7·90	6·35	1·68	8·88	10·17	10·67	11·23	24·60	10·39	121·86
,, ...12	Loch Nevis (Inverie Gardens).....	6·91	6·45	3·13	6·42	3·77	1·52	6·81	8·79	7·96	6·66	15·84	9·11	83·37
,, ...13	Arisaig House.....	6·99	4·93	2·36	5·31	3·51	1·29	6·65	8·85	6·07	5·40	12·32	7·63	71·31
,, ...17	Onich.....	7·14	7·32	2·93	4·79	6·29	·98	8·67	7·90	12·17	5·49	15·73	9·47	88·88
,, ...17	Fort William (Teviot).....	6·24	7·85	3·04	4·64	5·81	1·09	6·89	8·07	10·58	5·68	15·83	9·76	85·48
,, ...18	Isle of Eigg.....	4·30	4·57	2·05	4·40	3·61	1·36	6·43	6·72	5·78	5·99	10·98	6·16	62·35
,, ...18	Skye (Broadford).....	7·56	6·30	3·58	5·97	4·18	1·65	6·71	(8·00)	8·45	11·84	15·91	6·88	87·03
,, ...18	Skye (Grula).....	7·19	6·18	2·61	8·84	4·81	2·43	10·46	6·90	8·67	13·78	16·37	9·37	97·61
,, ...18	Skye (Duntulm, Kilmuir).....	3·85	4·15	2·37	4·88	2·61	2·10	5·27	5·79	3·88	7·20	9·94	5·62	57·66
,, ...19	Benbecula Airport.....	3·83	3·70	2·08	3·90	1·93	1·91	5·18	3·69	3·92	6·63	8·05	4·33	49·15
,, ...19	Harris (Kyles Lodge).....	3·95	4·76	2·30	5·33	2·33	2·61	6·70	5·10	4·15	8·71	11·00	6·46	63·40
Ross and Cromarty 4	Muir of Ord (Fairburn).....	2·55	2·21	2·18	2·14	3·08	3·73	3·29	1·82	2·63	·71	4·30	3·51	32·15
,, 5	Tain (Mayfield).....	1·70	1·89	1·30	1·82	2·87	2·50	3·07	2·18	2·00	1·06	2·35	2·18	24·92
,, 7	Inverbroom (Glackour).....	6·47	4·52	3·18	5·56	3·18	2·28	5·12	4·32	5·70	2·22	10·38	5·11	58·04
,, 8	Loch Torridon (Torridon House)...	5·40	6·04	2·82	6·65	4·96	2·30	8·08	6·96	5·18	4·74	9·91	7·38	70·42
,, 8	Inverasdale (Midtown).....	5·55	4·87	3·14	5·69	3·67	2·07	5·82	6·18	7·08	5·75	16·04	5·60	71·46
,, 9	Loch Duich (Ratagan).....	7·53	7·45	4·44	6·88	4·17	1·03	7·67	8·46	10·10	6·84	17·09	9·55	91·21
,, 9	Applecross (Milton).....	2·94	4·89	2·15	5·65	2·89	2·02	6·02	5·33	3·79	4·52	7·01	4·80	52·01

Table 8c. Monthly Rainfall—SCOTLAND (*concluded*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in
Ross and Cromarty 9	Achnashellach	8·64	7·68	3·63	5·79	4·84	1·43	7·97	6·67	8·05	6·57	15·01	8·18	84·46
,, 10	Stornoway Airport	3·41	2·87	1·81	3·52	2·12	1·67	4·11	3·63	2·38	4·54	7·11	4·19	41·36
Sutherland 1	Glenrossal	4·88	2·79	1·63	2·72	2·68	3·29	5·25	3·07	4·76	1·54	6·70	4·36	43·67
,, ...1	Loch Shin (Corrykinloch)	10·06	6·34	4·43	5·00	4·07	2·90	5·80	6·21	9·06	3·82	15·01	7·30	80·00
,, ...4	Tongue	3·13	2·84	2·23	3·31	2·56	2·25	3·70	2·53	3·42	1·88	4·73	2·98	35·56
,, ...4	Melvich Hotel	2·87	2·65	1·35	2·66	2·70	1·71	2·87	2·13	2·07	1·33	4·58	3·14	30·06
,, ...4	Cape Wrath	4·47	3·62	2·06	3·00	1·82	2·30	4·69	4·69	4·68	3·87	8·10	4·23	47·53
,, ...6	Lochinver (Bank House)	3·66	3·81	2·04	3·38	2·50	1·69	5·48	3·52	4·91	2·94	9·75	5·37	49·05
Caithness 2	Wick Airport	2·80	1·56	1·26	2·14	2·56	1·64	4·12	2·88	2·09	1·17	2·47	2·30	26·99
,, ...3	Thurso (Holburn Head)	4·41	1·69	1·46	2·72	2·38	1·10	4·86	3·20	2·73	·74	3·58	2·61	31·48
Orkney	Stenness	4·19	3·11	1·46	2·95	2·14	1·11	2·80	2·91	3·81	2·57	6·99	3·23	37·27
,, ...	North Ronaldshay	4·04	3·56	1·58	2·20	2·15	1·50	1·82	2·05	3·09	2·63	4·95	3·01	32·58
Shetland	Lerwick Observatory	4·20	4·04	1·82	2·89	1·91	·71	5·00	4·60	3·32	3·51	6·79	5·03	43·82
NORTHERN IRELAND														
Fermanagh 1	Newtownbutler (Crom Castle)	1·65	1·60	·48	1·50	2·99	·95	5·00	4·20	3·72	2·47	3·52	3·59	31·67
,, ...1	Enniskillen (Bellevue)	1·57	·84	·76	2·05	2·03	1·28	4·33	3·40	3·30	2·48	4·15	3·04	29·23
,, ...1	Belleek (Roscor)	2·42	1·64	1·07	3·11	2·71	1·89	6·13	4·05	5·66	3·10	5·79	3·65	41·22
Armagh 5	Armagh Observatory	·94	1·43	·35	2·17	1·40	2·36	4·14	3·68	2·97	2·09	2·64	3·52	27·69
Down 1	Newry (Bridge Street House)	1·15	1·18	·39	1·60	2·00	1·61	3·85	3·83	4·17	2·37	3·08	3·24	28·47
,, ...2	Silent Valley (Belfast W.W.)	2·08	1·98	·52	2·60	2·22	1·93	6·83	5·11	4·96	3·11	4·69	4·62	40·65
,, ...2	Seaforde	1·33	1·04	·44	2·08	2·68	1·65	4·18	3·55	2·78	2·54	3·41	3·34	29·02
,, ...4	Donaghadee (Orlock Reservoir)	1·01	·86	·15	1·18	1·56	1·32	4·65	2·58	2·42	1·88	3·39	2·78	23·78
Antrim 1	Belfast (Queen's University)	1·32	1·02	·36	1·55	1·96	1·28	5·29	3·30	2·40	2·28	3·97	3·27	28·00
,, ...1	Carrickfergus (Copeland)	1·57	1·21	·44	2·41	2·34	1·93	6·38	3·38	3·12	2·42	4·10	3·75	33·05
,, ...2	Larne (Sallagh Springs)	1·52	1·47	·60	2·36	2·92	3·13	6·34	4·15	5·12	2·96	5·00	4·15	39·72
,, ...3	Ballycastle (Coolgreany)	1·70	1·82	·65	2·44	2·93	3·05	5·16	3·40	4·62	1·77	3·81	4·01	35·36
,, ...5	Aldergrove Airfield	1·49	1·00	·35	1·05	1·63	2·21	4·68	2·52	2·40	2·06	3·06	3·34	25·79
,, ...5	Ballymena (Harryville)	1·63	1·65	·54	2·32	1·73	2·93	4·18	4·30	3·60	2·53	3·20	3·76	32·37
Londonderry 3	Garvagh (Moneydig)	1·47	1·63	·57	2·30	2·38	2·82	5·15	3·90	3·47	2·91	3·31	3·85	33·76
,, ...3	Coleraine (Ingledene)	1·24	1·67	·86	2·24	1·82	2·78	4·94	4·16	3·75	2·21	3·58	3·39	32·64
,, ...5	Glenedra Lodge	1·86	2·78	1·48	3·28	3·38	4·02	7·71	(5·19)	4·69	3·21	5·74	4·76	48·10
,, ...5	Londonderry (Creggan Reservoir)	1·46	1·53	1·01	3·10	2·54	2·52	5·47	5·00	3·85	2·84	4·63	3·69	37·64
Tyrone 2	Castlecaulfield (Parkanaur)	1·28	·67	·62	1·29	2·78	1·25	5·60	3·13	3·06	1·88	3·01	3·65	28·22
,, ...3	Omagh (Edenfel)	1·79	1·59	·91	2·35	3·44	1·23	6·07	3·43	3·65	2·92	4·40	3·83	35·61
,, ...3	Sion Mills (Sion House)	1·22	1·51	1·23	2·70	2·51	1·80	5·55	4·52	4·95	3·07	4·59	4·08	37·73

Table 8D. Monthly Rainfall in 1953; the Average, 1881–1915, being taken as 100

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		%	%	%	%	%	%	%	%	%	%	%	%	%
London.....2	St. Pancras Camden Square).....	49	89	23	162	80	81	172	94	98	106	35	26	84
Kent.....1	Dover (Waterloo Crescent).....	50	123	13	96	104	116	129	92	129	80	69	47	84
,, ...4	Edenbridge (Falconhurst).....	52	61	13	143	82	77	148	76	177	113	43	23	80
Sussex.....1	Compton (Compton House).....	45	77	20	121	146	92	186	80	113	92	52	27	82
,, ...3	Worthing (Beach House Park).....	51	54	11	162	127	106	121	80	185	121	59	29	89
Hampshire.....1	Ventnor Park.....	51	50	18	68	144	100	124	79	131	77	69	29	75
,, ...8	South Farnborough (R.A.E.).....	38	73	22	135	105	70	138	91	103	98	65	22	77
Hertfordshire.....3	Royston (Therfield Rectory).....	57	105	32	122	76	76	123	99	120	108	58	23	83
Buckinghamshire....3	Slough (Upton).....	44	93	21	161	77	70	164	73	91	95	71	22	79
Oxfordshire.....3	Oxford (Radcliffe Met. Station)....	47	96	41	130	90	71	136	128	108	76	67	28	84
Northamptonshire...4	Wellingborough (Swanspool).....	53	96	46	133	73	86	119	113	62	61	70	26	77
Cambridgeshire.....2	March.....	65	124	69	133	96	162	100	105	43	80	65	37	88
Essex.....1	Hatfield Broad Oak (Barrington)...	53	109	25	173	94	99	142	84	97	140	52	33	91
,, ...3	Shoeburyness.....	63	(98)	19	133	115	117	138	108	111	67	53	34	86
,, ...6	Dovercourt.....	43	78	15	166	104	99	146	68	72	70	42	37	76
Suffolk.....4	Lowestoft (Secondary School).....	57	97	19	117	71	101	111	105	82	60	41	38	74
,, ...5	Bury St. Edmunds (Westley Hall)...	61	71	31	163	89	166	149	71	69	97	57	36	88
Norfolk.....3	Sandringham House Gardens.....	63	117	55	182	78	195	100	90	70	96	73	46	94
Wiltshire.....3	Porton (C.D.E.E.).....	36	64	18	165	110	87	159	71	146	106	82	23	84
,, ...5	Aldbourne (Manor House).....	63	75	35	143	116	97	124	119	165	117	54	31	92
Dorset.....3	Creech Grange.....	34	72	21	119	151	86	161	87	109	60	65	23	74
,, ...3	Beaminster (East Street).....	33	68	23	162	181	153	155	77	123	93	46	19	83
Devonshire, S.....5	Teignmouth (Den Gardens).....	18	62	14	133	190	92	91	58	154	72	58	13	69
Devonshire, N.....1	Ilfracombe (Bowling Green).....	31	97	54	117	149	79	236	136	206	62	94	29	99
,, ...3	Okehampton (Uplands).....	25	51	42	133	128	61	120	75	182	80	60	25	72
Cornwall.....1	Bude (School House).....	40	66	41	124	133	56	182	98	141	50	72	30	79
,, ...2	Penzance (Morrab Gardens).....	37	57	39	112	130	87	192	76	140	58	48	20	73
,, ...2	St. Austell (Poltair Public Gdns.)...	33	52	32	108	170	98	128	57	129	53	62	26	70
,, ...4	Scilly (Tresco Abbey).....	53	61	36	146	167	107	206	82	101	54	68	40	82
Somerset.....3	Taunton (Vivary Park).....	18	51	27	144	87	79	81	76	124	90	61	22	73
Gloucestershire.....7	Cirencester (Somerford Road).....	31	69	61	144	127	63	126	134	137	74	66	29	85
Herefordshire.....1	Vowchurch (Ladywell House).....	26	60	67	128	78	70	97	78	151	70	45	42	72
Shropshire.....3	Church Stretton (Sewage Works)...	30	92	52	150	104	78	112	89	131	66	74	42	82
,, ...3	Shrewsbury (Monkmoor).....	31	95	70	189	104	111	123	63	150	70	82	44	89
Worcestershire.....1	Malvern (Free Library).....	21	76	58	141	129	85	145	145	129	75	54	49	91
Warwickshire..... 1	Leamington Spa (Pump Room Gdns.)	65	73	57	120	68	77	138	98	106	91	50	38	82
,, ...4	Birmingham (Edgbaston Obsy.)....	48	72	87	159	138	83	154	90	130	79	58	44	93
Leicestershire.....4	Thornton Reservoir.....	58	97	85	139	102	140	96	76	85	86	58	36	86

Table 8D. Monthly Rainfall in 1953; the Average, 1881–1915, being taken as 100 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		%	%	%	%	%	%	%	%	%	%	%	%	%
Lincolnshire.....3	Boston (Black Sluice, Skirbeck)....	53	113	51	158	149	173	64	126	64	88	81	39	95
,, ...4	Skegness (Marine Gardens).....	37	(118)	49	189	131	188	88	90	67	91	54	35	91
Nottinghamshire....5	Mansfield (Carr Bank).....	27	79	67	153	104	89	99	48	67	72	61	29	71
Derbyshire.....6	Buxton (Terrace Slopes).....	58	58	73	152	78	109	140	117	104	52	70	43	84
Cheshire.....3	Birkenhead (Bidston Observatory)..	38	58	47	112	106	71	93	97	125	36	116	48	78
Lancashire, South..3	Manchester (Whitworth Park).....	56	87	88	120	86	90	128	108	125	63	122	38	92
,, Central..1	Squires Gate (Blackpool Airport)...	57	37	19	133	100	70	127	110	145	48	118	50	85
,, ,, ..1	Stonyhurst College.....	55	54	46	125	86	55	197	128	153	41	130	51	93
,, North...5	Garstang (Grizedale Reservoir).....	57	59	28	136	98	108	147	103	159	48	127	51	93
Yorkshire, W.R....8	Wakefield (Clarence Park).....	24	90	42	117	91	85	108	95	81	51	95	47	77
,, E.R. 3	Hull (Pearson Park).....	64	117	30	136	119	171	94	87	39	54	79	46	84
,, N.R. 2	Felixkirk (Mount St. John).....	44	98	5	150	98	189	127	128	102	70	99	50	97
,, ,, ...3	York (Museum).....	27	109	14	135	87	60	69	114	73	59	95	58	75
,, ,, ...5	Scarborough.....	55	108	13	156	95	170	75	117	47	46	79	45	81
,, ,, ...6	Middlesbrough (Albert Park).....	49	132	8	102	84	124	107	129	77	50	62	44	81
,, ,, ...6	Baldersdale (Hury Reservoir).....	30	51	24	141	105	105	108	157	106	45	97	42	81
Northumberland....3	Newcastle (Leazes Park).....	39	113	4	154	101	97	122	149	92	42	34	34	80
,, ...4	Bellingham (High Green).....	48	81	26	174	116	69	124	124	156	35	102	49	88
,, ...6	Ilderton (Lilburn Tower Gardens)..	69	85	7	154	100	143	110	74	113	46	59	38	78
Cumberland.....1	Geltsdale.....	74	41	21	139	101	83	165	131	147	49	137	57	95
,, ...2	Keswick (High Hill).....	46	40	18	124	78	54	169	114	212	60	178	52	93
,, ...3	Ravenglass (The Grove).....	82	49	13	102	91	42	139	100	167	58	185	61	94
Monmouthshire.....3	Abergavenny (Plâs Derwen)	20	51	53	150	104	85	158	104	183	115	57	35	86
Glamorgan.....3	Ystalyfera (Wern House).....	37	94	88	140	128	127	186	89	165	82	120	23	97
,, ...7	Cardiff (Penylan).....	30	67	53	156	142	98	155	131	151	75	95	35	93
Carmarthenshire....2	Llanddeusant (Pontcrynfe).....	32	72	78	143	107	83	141	107	159	100	112	29	91
Pembrokeshire.....4	Tenby (The Priory).....	47	107	79	101	123	80	183	89	122	73	101	28	89
Radnorshire.....1	Birmingham W.W. (Tyrmynydd)...	34	54	96	135	93	65	135	83	161	56	83	27	77
Montgomeryshire....5	Lake Vyrnwy (Experimental Stn.)...	38	85	115	158	100	65	227	94	204	48	142	29	99
Merionethshire.....3	Blaenau Festiniog (Oakeley Qu.)...	65	101	62	114	98	69	180	101	158	46	151	41	96
,, ...5	Aberdovèy (Plas Penhelig).....	53	93	61	137	71	94	110	135	179	56	122	34	93
Caernarvonshire....2	Llandudno (Cricket Ground).....	40	95	58	149	99	66	62	103	191	51	98	42	84
Anglesey.....	Llanerchymedd (Llwydiarth Esgob).	74	105	33	148	137	76	105	80	157	63	134	56	94
Isle of Man.....	Douglas (Borough Cemetery).....	67	68	21	136	105	67	164	137	175	110	125	54	102
Wigtownshire.....4	Newton Stewart (Little Barraer)....	48	35	15	71	95	51	173	77	198	101	131	89	91
Dumfriesshire.....3	Dumfries (Crichton Royal Inst.)....	38	30	16	113	86	67	182	71	191	95	187	62	94
,, ...5	Eskdalemuir Observatory.....	47	41	19	129	98	175	233	95	155	66	151	63	98
Roxburghshire.....3	Crailing.....	37	57	13	181	79	67	114	78	155	55	90	57	80

Table 8D. Monthly Rainfall in 1953; the Average, 1881–1915, being taken as 100 (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		%	%	%	%	%	%	%	%	%	%	%	%	%
Peeblesshire.....2	Stobo Castle.....	38	44	29	140	106	155	161	75	138	79	133	89	96
Berwickshire.....4	Marchmont House.....	44	63	14	140	97	111	111	69	102	38	77	87	77
East Lothian.....5	North Berwick Reservoir.....	33	48	14	139	118	77	160	60	106	32	100	127	84
Midlothian.....5	Edinburgh (Blackford Hill).....	18	43	21	137	87	75	163	63	129	47	137	139	90
Lanarkshire.....5	Hamilton W.W. (Townhill).....	40	40	33	94	71	50	132	86	104	58	192	109	87
Ayrshire.....8	Colmonell (Knockdolian).....	35	39	9	62	75	33	156	55	182	109	121	77	81
,, ...13	Glen Afton (Ayr Sanatorium).....	50	44	26	126	129	37	131	62	187	100	137	85	91
Renfrewshire.....3	Greenock (Prospect Hill).....	56	63	51	75	93	40	181	97	159	96	185	93	100
Buteshire.....1	Rothesay (Ardencraig).....	76	65	37	92	82	49	149	110	138	95	163	98	100
Argyllshire 2	Morvern (Drimnin).....	81	85	48	106	113	78	151	114	118	115	168	93	107
,, ...8	Lochgilphead (Poltalloch).....	82	61	53	146	185	46	154	149	191	118	218	94	127
,, ...11	Inveraray Castle Gardens.....	86	95	59	103	99	40	177	119	172	84	204	101	114
,, ...14	Islay (Eallabus).....	67	67	51	71	135	97	160	108	166	92	160	94	106
,, ...14	Tiree Airport.....	71	95	40	115	92	57	125	110	152	98	165	89	103
Kinross-shire 2	Loch Leven Sluice.....	24	48	40	126	101	97	155	53	176	58	135	108	91
Fifeshire 3	Leuchars Airfield.....	27	38	23	155	85	46	99	56	109	57	104	113	76
Perthshire.....1	Loch Dhu.....	54	57	40	87	127	62	148	90	158	84	157	94	95
,, ...7	Crieff (Strathearn Hydro).....	17	27	32	98	95	131	128	50	143	44	120	115	80
,, ...14	Fincastle House.....	25	35	37	66	147	139	109	66	168	88	94	127	89
Angus 4	Montrose (Sunnyside Asylum).....	41	48	19	196	95	100	124	83	133	46	95	121	91
Aberdeenshire.....1	Braemar (Bank).....	32	48	22	105	110	163	130	60	122	58	78	115	82
,, ...2	Dyce (Craibstone).....	51	55	11	122	103	135	150	83	175	56	78	81	89
,, ...4	New Deer School House.....	70	84	11	132	82	140	123	90	121	42	57	78	82
Morayshire.....2	Fochabers (Gordon Castle).....	86	94	22	130	72	150	124	67	117	24	63	110	85
Nairnshire.....2	Nairn (Achareidh).....	58	88	49	147	172	144	159	112	98	35	101	104	105
Inverness-shire.....2	Glenshero.....	55	98	50	126	115	102	149	104	131	67	193	125	109
,, ...6	Loch Ness (Garthbeg).....	55	87	62	123	156	187	141	115	118	44	139	114	110
,, ...7	Loch Quoich (Glenquoich).....	103	104	52	122	116	34	138	124	123	112	203	71	110
,, ...17	Onich.....	82	107	45	107	159	25	167	117	194	84	186	96	115
,, ...17	Fort William (Teviot).....	64	105	45	103	147	31	141	130	166	80	193	96	108
,, ...18	Skye (Broadford).....	100	98	59	132	99	42	121	(124)	122	156	185	77	113
,, ...18	Skye, (Duntulm, Kilmuir).....	73	90	54	150	92	81	141	130	84	132	166	90	108
Ross and Cromarty..5	Tain (Mayfield).....	70	83	58	99	139	135	102	81	87	39	79	77	86
,, ..7	Inverbroom (Glackour).....	120	89	64	149	106	81	138	103	129	39	167	70	103
,, ..9	Achnashellach.....	95	112	53	108	114	38	164	106	117	86	174	86	106
Sutherland.....1	Loch Shin (Corrykinloch).....	150	102	72	107	96	81	109	111	166	52	186	84	111
,, ...6	Lochinver (Bank House).....	86	95	54	119	98	79	181	105	141	64	193	96	110
Caithness.....2	Wick Airport.....	114	69	56	108	124	91	157	105	84	40	79	75	90

Table 8D. Monthly Rainfall in 1953; the Average, 1881–1915, being taken as 100 (*concluded*)

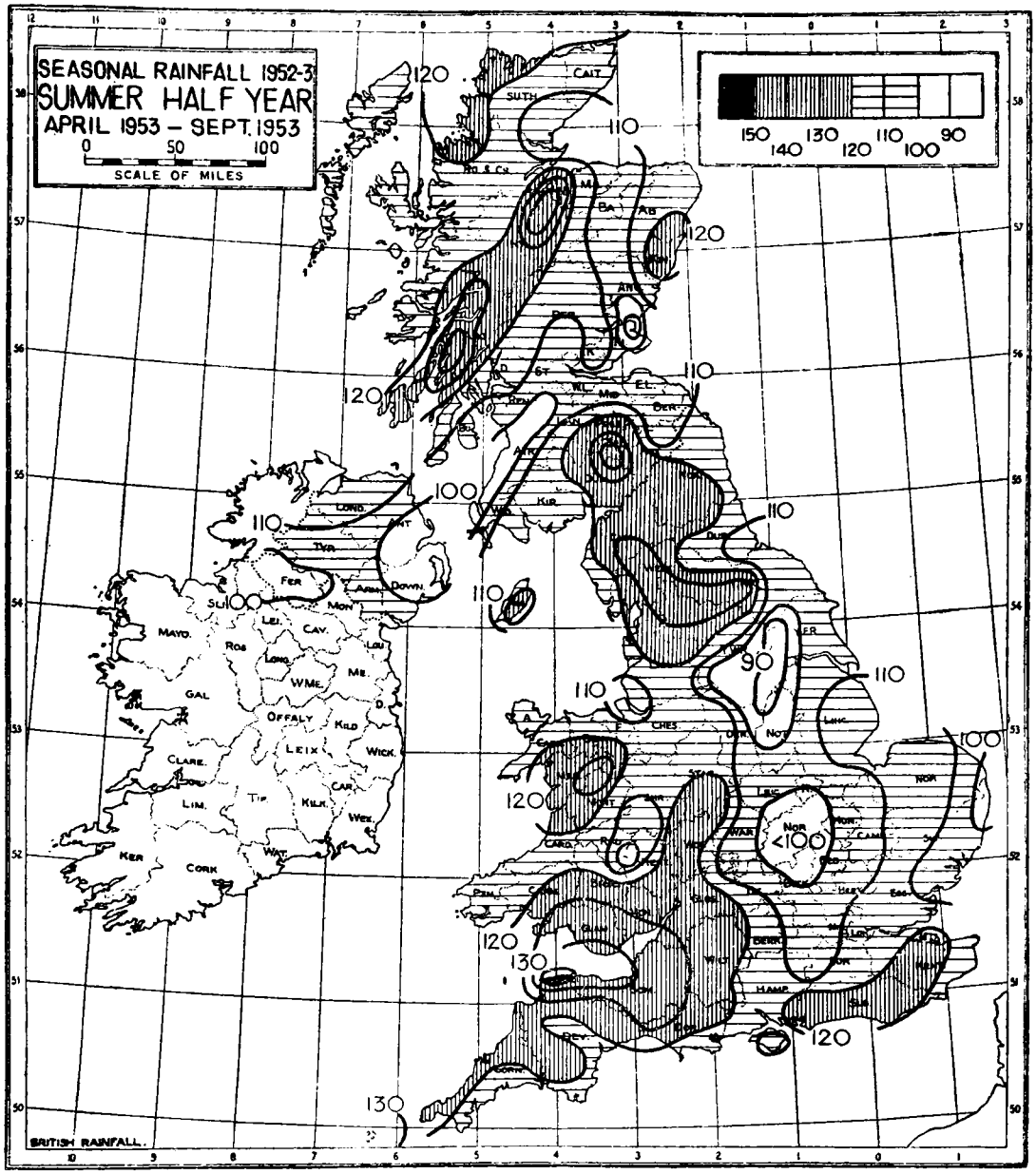
County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		%	%	%	%	%	%	%	%	%	%	%	%	%
Shetland Islands.....	Lerwick Observatory.....	99	128	58	126	91	40	218	153	110	89	159	105	115
Fermanagh.....1	Newtownbutler (Crom Castle).....	50	54	15	59	107	35	144	102	133	76	101	87	82
Armagh.....5	Armagh Observatory.....	37	64	15	103	59	94	143	102	121	77	93	112	87
Down.....2	Seaforde.....	42	34	15	79	102	60	131	95	101	71	90	81	76
Antrim.....5	Aldergrove Airfield.....	54	41	14	50	72	92	167	70	97	69	94	97	78
,, ...5	Ballymena (Harryville).....	44	51	17	88	60	101	122	101	116	69	79	85	78
Londonderry.....3	Garvagh (Moneydig).....	43	52	18	94	93	111	159	99	117	82	84	96	87
,, ...5	Londonderry (Creggan Reservoir)..	41	48	32	121	97	89	149	108	117	77	113	84	90
Tyrone.....3	Omagh (Edenfel).....	51	53	29	89	133	44	179	80	120	80	116	91	89
														‡
England.....	(General Mean* 60 Stations)	**46**	**80**	**35**	**139**	**109**	**100**	**131**	**98**	**117**	**72**	**75**	**37**	...
Wales.....	(,, ,, 11 ,,)	**43**	**84**	**71**	**139**	**109**	**83**	**149**	**101**	**166**	**70**	**110**	**34**	...
England and Wales...	(,, ,, 71 ,,)	**46**	**81**	**41**	**139**	**109**	**98**	**134**	**98**	**125**	**72**	**80**	**36**	...
Scotland.....	(,, ,, 43 ,,)	**63**	**70**	**38**	**118**	**109**	**85**	**147**	**93**	**140**	**73**	**142**	**95**	...
Northern Ireland.....	(,, ,, 8 ,,)	**45**	**50**	**19**	**85**	**90**	**78**	**149**	**95**	**115**	**75**	**96**	**92**	...

* The 'General' values given in the last five rows are obtained by taking the means of the percentage values for the stations. ‡ See Table 10A.

9 Seasonal Rainfall 1952-53

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that the early part of a winter is included in one calendar year and the later part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.

Rainfall, Winter Half-year, as per cent of average



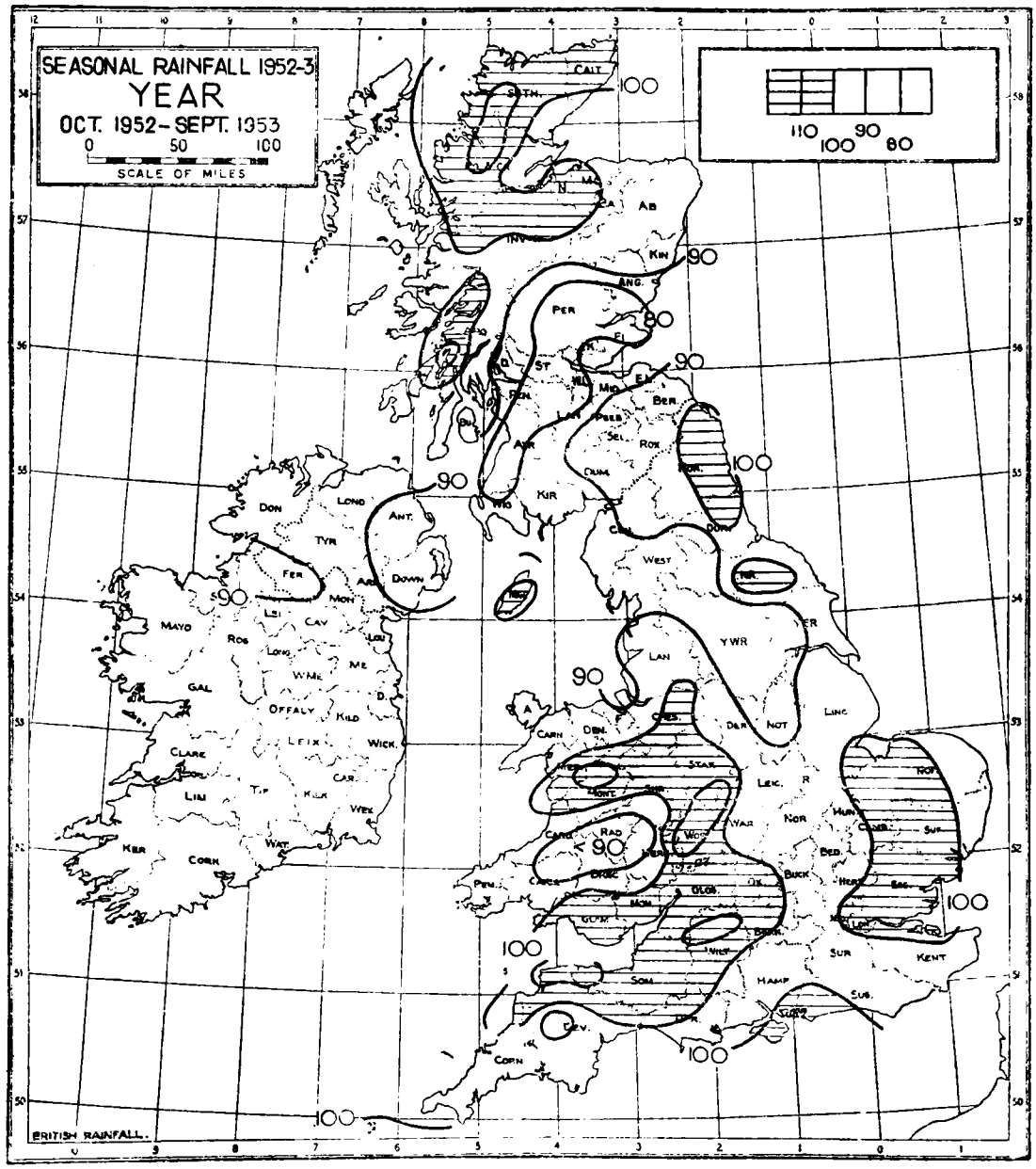
Rainfall, Summer Half-year, as per cent of average

In this section the rainfall of the winter season, October 1, 1952, to March 31, 1953, and of the summer season, April 1, 1953, to September 30, 1953, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1952, to September 30, 1953. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived, in part, from that which has been naturally stored during the previous winter season.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at each station. The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often

show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter, is, in general, greater than that for the summer.

The stations in Table 9A are, as far as possible, the same as those used in earlier volumes. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C. Seasonal percentage values are given in Table 9B, for England and Wales and for Scotland, commencing with the winter October 1906 to March 1907, and for Northern Ireland commencing with October 1920 to March 1921. The corresponding values for England and Wales separately for 1952–3 are 84, 115, 99 and 80, 124 and 99 respectively.



Rainfall, Seasonal Year, as per cent of average

Table 9A. Seasonal Rainfall, 1952–53, as a Percentage of the Average, 1881–1915

Station†	Winter Oct. 1952-Mar. 1953	Summer Apl. 1953-Sep. 1953	Year Oct. 1952-Sep. 1953	Station†	Winter Oct. 1952-Mar. 1953	Summer Apl. 1953-Sep. 1953	Year Oct. 1952-Sep. 1953
St. Pancras (Camden Square)	92	115	103	Abergavenny (Plâs Derwen)	77	129	99
Dover (Waterloo Crescent)	81	112	94	Ystalyfera (Wern House)	76	137	101
Edenbridge (Falconhurst)	74	117	92	Cardiff (Penylan)	75	139	103
Compton (Compton House)	93	122	105	Llanddeusant (Pontcrynfe)	68	123	90
Worthing (Beach House Park)	81	129	101	Tenby (The Priory)	82	117	97
Ventnor Park	100	109	104	Birmingham W.W. (Tyrmynydd)	73	112	87
South Farnborough (R.A.E.)	83	106	93	Lake Vyrnwy (Experimental Station)	96	139	113
				Blaenau Festiniog (Oakeley Quarry)	78	122	97
Royston (Therfield Rectory)	89	102	96	Aberdovey (Plâs Penhelig)	90	124	105
Slough (Upton)	84	103	93	Llandudno (Cricket Ground)	87	111	98
Oxford (Radcliffe Met. Station)	101	111	105	Llanerchymedd (Llwydiarth Esgob)	83	115	97
Wellingborough (Swanspool)	92	98	95				
March	96	106	101	Douglas (Borough Cemetery)	81	135	104
Hatfield Broad Oak (Barrington)	99	112	106	Newton Stewart (Little Barraer)	59	114	81
Shoeburyness	96	120	108	Dumfries (Crichton Royal Institute)	65	118	89
Dovercourt	94	107	100	Eskdalemuir Observatory	59	145	94
Lowestoft (Secondary School)	94	98	96	Crailing	88	107	98
Bury St. Edmunds (Westley Hall)	94	116	105	Stobo Castle	74	126	97
Sandringham House Gardens	90	115	102	Marchmont House	83	102	92
				North Berwick Reservoir	57	107	82
Porton (C.D.E.E.)	84	120	100	Edinburgh (Blackford Hill)	61	107	85
Aldbourne (Manor House)	103	126	113	Hamilton W.W. (Townhill)	53	91	70
Creech Grange	78	117	94	Colmonell (Knockdolian)	53	97	71
Beaminster (East Street)	79	138	102	Glen Afton (Ayr Sanatorium)	68	111	86
Teignmouth (Den Gardens)	84	117	97	Greenock (Prospect Hill)	74	111	89
Cullompton	85	124	101	Rothesay (Ardencraig)	84	107	94
Ilfracombe (Bowling Green)	85	156	114	Morvern (Drimnin)	78	116	93
Okehampton (Uplands)	69	114	86	Lochgilphead (Poltalloch)	82	149	111
Bude (School House)	87	123	102	Inveraray Castle Gardens	83	124	99
Penzance (Morrab Gardens)	80	123	96	Islay (Eallabus)	73	126	95
St. Austell (Poltair Public Gardens)	84	112	95	Tiree Airport	76	112	91
Scilly (Tresco Abbey)	83	131	102	Loch Leven Sluice	56	114	82
				Leuchars Airfield	62	88	75
Cirencester (Somerford Road)	90	121	104	Loch Dhu	62	113	81
Vowchurch (Ladywell House)	80	98	88	Crieff (Strathearn Hydro)	49	104	72
Church Stretton (SewageWorks)	91	108	99	Fincastle House	57	112	80
Shrewsbury (Monkmoor)	94	116	104	Montrose (Sunnyside Asylum)	59	119	88
Malvern (Free Library)	93	129	111	Braemar (Bank)	77	110	91
Leamington Spa (Pump Room Gardens)	94	101	97	Dyce (Craibstone)	68	127	95
Birmingham (Edgbaston)	100	123	111	New Deer (School House)	79	113	95
Thornton Reservoir	90	104	97	Fochabers (Gordon Castle)	85	107	96
Boston (Black Sluice, Skirbeck)	84	119	101	Nairn (Achareidh)	80	137	109
Skegness (Marine Gardens)	78	120	98	Glenshero	85	121	99
Mansfield (Carr Bank)	80	90	85	Loch Ness (Garthbeg)	84	145	109
Buxton (Terrace Slopes)	82	117	97	Loch Quoich (Glenquoich)	93	114	101
				Onich	85	134	104
Birkenhead (Bidston Observatory)	79	100	89	Fort William (Teviot)	78	126	96
Manchester (Whitworth Park)	92	110	101	Skye (Broadford)	86	111	96
Squires Gate (Blackpool Airport)	69	115	91	Skye (Duntulm, Kilmuir)	87	114	98
Stonyhurst College	68	128	96	Tain (Mayfield)	77	107	91
Garstang (Grizedale Reservoir)	65	125	94	Inverbroom (Glackour)	111	120	114
Wakefield (Clarence Park)	72	96	84	Achnashellach	97	111	103
Hull (Pearson Park)	85	107	96	Loch Shin (Corrykinloch)	110	114	112
Felixkirk (Mount St. John)	75	133	104	Lochinver (Bank House)	97	124	107
York (Museum)	66	89	78	Wick Airport	101	112	106
Scarborough	89	108	98	Lerwick Observatory	95	127	107
Middlesbrough (Albert Park)	87	106	97	Newtownbutler (Crom Castle)	63	100	81
Baldersdale (Hury Reservoir)	58	115	84	Armagh Observatory	79	105	92
				Seaforde	75	96	84
Newcastle (Leazes Park)	92	120	106	Aldergrove Airfield	72	92	82
Bellingham (High Green)	75	126	99	Ballymena (Harryville)	73	99	85
Ilderton (Lilburn Tower Gardens)	96	113	103	Garvagh (Moneydig)	85	113	98
Geltsdale	71	127	98	Londonderry (Creggan Reservoir)	81	115	97
Keswick (High Hill)	59	130	88	Omagh (Edenfel)	85	108	95
Ravenglass (The Grove)	68	110	88				

† For Counties see Table 8D.

In the *winter half-year* October was a wet month generally, and over south-eastern districts November also. The remaining months gave less than average, especially January and March. Over England and Wales it was the driest winter since that of 1948–49 but there were only 7 drier in the previous 46 winters. Over Scotland the winter ranks as the driest, with those of 1933–34 and 1908–09, since records began in 1906–07. Over Northern Ireland it was the driest winter since that of 1933–34 with 70 per cent. The rainfall was less than average nearly everywhere. Over much of central and south-west Scotland, north-west England and locally in the south-west of England and Wales totals were less than 70 per cent of average. The extreme percentage range was from 111 at Inverbroom in Ross-shire to 49 at Crieff in Perthshire.

In the *summer half-year* the rainfall exceeded the average in four months over England and Wales, and Scotland, and in two months over Northern Ireland. The general rainfall in each country exceeded the average. The summer rainfall has exceeded the average in nine of the last eleven years over England and Wales, and Scotland, and in eight over Northern Ireland. Most areas had more than the average rainfall. The largest percentage value in the table is 156 at Ilfracombe which also reported the largest value in the previous year. The smallest percentage values, 88 and 89, occurred at Leuchars and York respectively.

For the *seasonal year* the value for England and Wales was the least since 1948–49, for Scotland since 1939–40, and for Northern Ireland since 1932–33 which was equally dry. The rainfall exceeded the average, however, over parts of England and Wales and north-west Scotland, while less than 80 per cent occurred across Scotland from Ayrshire to Angus. The percentage values ranged from 114 at Ilfracombe and at Inverbroom in Ross-shire—which also had the largest values in the summer and winter half-years respectively—to 70 at Hamilton in Lanarkshire.

Table 9B. Serial Values of Seasonal Rainfall as Percentage of 1881–1915 Average
Winter half-year: October to March. Summer half-year: April to September.
Seasonal Year: October to September.

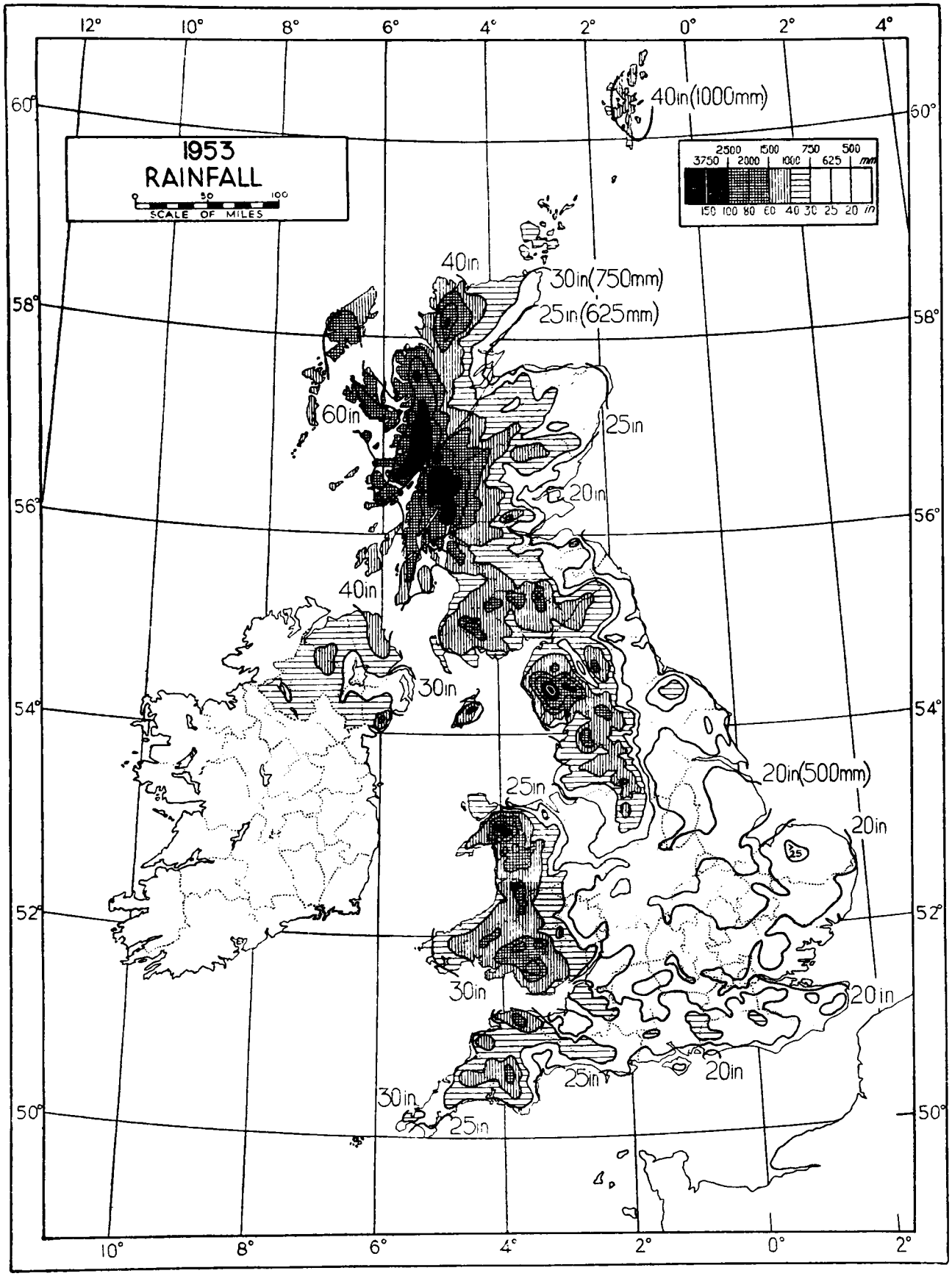
Oct.–Sept.	ENGLAND AND WALES			SCOTLAND			NORTHERN IRELAND		
	Winter	Summer	Year	Winter	Summer	Year	Winter	Summer	Year
1906–07 ..	101	105	104	102	107	105	—	—	—
07–08 ..	115	108	114	104	103	104	—	—	—
08–09 ..	73	114	93	77	95	85	—	—	—
09–10 ..	110	105	108	105	107	107	—	—	—
1910–11 ..	106	77	93	89	89	89	—	—	—
11–12 ..	136	132	134	114	100	108	—	—	—
12–13 ..	113	88	102	116	85	104	—	—	—
13–14 ..	102	85	95	105	85	97	—	—	—
14–15 ..	131	97	116	114	85	102	—	—	—
15–16 ..	126	96	113	108	110	110	—	—	—
16–17 ..	101	121	110	99	99	100	—	—	—
17–18 ..	85	130	105	109	110	111	—	—	—
18–19 ..	117	81	101	94	90	92	—	—	—
19–20 ..	108	129	117	118	101	111	—	—	—
1920–21 ..	77	66	72	98	87	93	116	77	98
21–22 ..	95	115	104	102	104	103	110	108	109
22–23 ..	94	104	98	88	132	107	96	116	105
23–24 ..	100	147	121	95	134	112	104	152	126
24–25 ..	113	111	112	104	109	106	101	111	106
25–26 ..	100	105	102	97	106	101	103	104	103
26–27 ..	108	145	125	105	139	120	100	107	104
27–28 ..	118	90	105	119	105	113	124	108	117
28–29 ..	89	76	83	85	106	94	99	93	96
29–30 ..	146	127	138	115	112	114	126	108	118
1930–31 ..	103	146	123	110	108	110	112	118	115
31–32 ..	75	122	96	96	105	99	86	104	94
32–33 ..	102	75	90	111	80	97	105	71	89
33–34 ..	74	89	79	77	123	97	70	116	92
34–35 ..	102	113	107	100	109	104	98	94	96
35–36 ..	131	111	122	108	90	100	117	112	114
36–37 ..	128	93	112	110	93	103	123	98	111
37–38 ..	81	91	86	84	115	98	82	106	93
38–39 ..	130	98	115	130	83	110	140	87	115
39–40 ..	119	76	99	80	100	89	120	90	105
1940–41 ..	134	89	113	102	86	95	120	80	101
41–42 ..	87	99	92	94	111	100	117	124	120
42–43 ..	97	102	99	99	122	109	94	119	106
43–44 ..	70	104	85	89	108	98	83	112	97
44–45 ..	109	104	106	118	113	116	120	112	116
45–46 ..	89	138	111	86	115	98	91	121	105
46–47 ..	122	85	105	84	112	95	97	110	103
47–48 ..	88	112	99	100	134	115	109	108	109
48–49 ..	76	77	76	107	92	100	104	81	93
49–50 ..	117	132	123	118	144	129	110	154	131
1950–51 ..	122	116	119	98	105	100	101	95	98
51–52 ..	102	104	103	102	98	100	98	82	90
52–53 ..	84	116	98	77	116	94	77	103	89
Average (in.) 1881–1915 ..	19·61	15·62	35·23	29·20	21·12	50·32	20·94	18·72	39·66

10 The Total Fall of Rain in 1953

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. As the distribution is affected by the orography of the country, the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1953 rainfall exceeded the average for the standard period 1881–1915, while red indicates areas with rainfall below this average. Isopleths on the 1953 map are drawn through places where the values of rainfall were respectively 70, 80, 90, 100, 110 and 120 per cent of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

The map reproduced as a frontispiece to this volume shows that in 1953 less than the average rainfall occurred over most of England and Wales, the south-eastern half of Scotland and over Northern Ireland. Large areas in England had less than 80 per cent—from Cornwall to the Isle of Wight, from Hastings to High Wycombe, Harwich to Lowestoft, Middlesbrough to Berwick-on-Tweed, Sleaford to Harrogate, around Bath, Hereford, Welshpool, Liverpool, Northampton, Gravesend, Penrith and Consett. Values of less than 70 per cent were recorded both in the south-west and north-east—66 at Falmouth, 69 at Teignmouth and 69 at Cockle Park, near Morpeth. At Falmouth the total of 28·68 inches was the smallest for any year in continuous records since 1880, apart only from 1887 with 27·83 inches. The total of 22·09 inches for Teignmouth (Den Gardens) is the smallest since records commenced in 1903, excepting 1921 which had 18·10 inches. At Morpeth (Cockle Park) the total of 19·81 inches was the smallest since records commenced there in 1898, but a smaller total of 18·24 inches was recorded at Morpeth (Bothalhaugh Lawn) in 1893. A few stations in England and Wales recorded rather more than the average, e.g. at Llanelly, and in the English Lake District and around Blackburn. Scotland received less than 80 per cent around Perth, Dundee and north-east of Braemar, but more than 110 per cent from Inveraray to Skye and in Sutherland, with as much as 127 per cent at Lochgilphead. Over Northern Ireland the range was from less than 80 per cent to the north and south of Belfast to over 90 per cent around Londonderry.

The distribution of 1953 was in general dissimilar to that of 1952, but in both years there was less than 80 per cent over a number of areas extending from Dundee to Nottingham. Thus the percentages in 1952 and 1953 were 75 and 79 at Perth; 75 and 80 at Crieff; 76 and 76 at Leuchars; 72 and 77 at Wakefield and 72 and 74 at Pontefract with only 83 and 76 at Aldergrove. The least amount likely to occur in two consecutive years is usually


1953
RAINFALL
SCALE OF MILES
50
100
2500 1500 750 500
3750 2000 1000 625 mm
150 100 80 60 40 30 25 20 in
40in(1000mm)
40in
30in(750mm)
25in(625mm)
60in
25in
20in
40in
30in
20in(500mm)
25in
20in
30in
20in
25in
20in
30in
25in
12° 10° 8° 6° 4° 2° 0° 2° 4°
60° 58° 56° 54° 52° 50°
10° 8° 6° 4° 2° 0° 2°

regarded as 75 per cent of the average for the period. The general distribution in 1953 was also unlike that of 1951, which was much wetter than average over much of England and Wales, especially the south, and drier than average in parts of the west of Scotland. The distribution of 1953 was similar to that of 1949, although the Western Highlands of Scotland were then much wetter. The excess of rain in the north-west of Scotland in 1953 was due more especially to the heavy rains of October and November in that area.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country, which are set out in Table 10A.

Table 10A shows that over England and Wales 1953 gave less than the average by 5·4 inches; Scotland by 1·6 inches and Northern Ireland by 6·2 inches. The total over England and Wales, was smaller than in any year since 1933 (28·6 inches), the only other drier years of the present century being 1921 and 1902 with 24·7 and 29·6 inches respectively. In the 84 years previous to 1953 only 6 were drier, i.e. a drier year has occurred once in 14 years. Scotland was not as dry as the previous year, 1952, with 47·1 inches and in the present century there have been 14 drier years. Northern Ireland gave less than in any year since 1933 (30·3 inches).

The general distribution of the actual rainfall in 1953 as shown on the accompanying map is similar in its main features to that of other years. Falls of less than 20 inches occurred over a good deal of eastern England, including areas stretching from Great Yarmouth and Margate to Maidenhead, from the Wash to Northampton and Warwick, from the Humber to York, Wakefield and Nottingham, as well as along the north-east coast from Middlesbrough to the Scottish Border. Isolated areas also received less than 20 inches, including the neighbourhood of Selsey Bill, Reading, Oxford, Dundee and Hexham. Falls of more than 100 inches were confined to Snowdonia, the English Lake District and the Western Highlands of Scotland. The largest total was recorded in the English Lake District.

Table 10A. General Rainfall, 1953, compared with average

Countries	No. of Stations	Average 35 years 1881–1915	1953	
			Per cent	Rainfall
		in.		in.
England ..	122	32·67	84	27·4
Wales	18	50·14	91	45·4
England & Wales	140	35·23	85	29·8
Scotland ..	63	50·32	97	48·7
Northern Ireland	12	39·66	84	33·5
Whole area ..	215	40·33	88	35·6

Among the largest totals recorded for the year, the following are of interest:—

		In.
England	Cumberland, Styehead Tarn	188·00
Wales	Caernarvonshire, Snowdon (Grib Goch)	146·60
Scotland	Argyllshire, Loch Sloy (Beinn Choranach) ..	144·82
Northern Ireland ..	County Down, Mourne Mts. (Lough Shannagh)	59·25

Notable among the smallest totals during the year were:—

England	Yorkshire, W.R., Pontefract (Roall Waterworks)	15·43
Wales	Flintshire, Rhyl (Westbourne Avenue)	20·39
Scotland	Ross and Cromarty, Tarbatness	19·20
Northern Ireland ..	County Down, Donaghadee (Orlock Reservoir) ..	23·78

Table 10B. Rainfall of 1953 as Percentage of Average, 1881–1915*

County	Station	Per cent of Average	County	Station	Per cent of Average
	ENGLAND				
Surrey ..	Reigate (Wray Park Road) ..	86	Yorks, W.R.	Harrogate (Bilton Sewage Wks.)	78
Kent	Margate	83	Yorks, E.R.	Holme on Spalding Moor ..	79
,, ...	East Malling (Research Stn.) ..	80	,, ..	Lowthorpe (The Elms) ..	83
,, ...	Bromley	93	,, N.R.	Leyburn (Bolton Hall) ..	86
Sussex ..	Horsham (Sewage Displ. Wks.)	77	,, ..	Guisborough (Lockwood Res.)	82
,, ..	Eastbourne (Wilmington Sq.)	73	Durham ..	Barnard Castle (Bowes Museum)	81
Hampshire ..	Southampton (East Park) ..	89	,, ..	Durham (Houghall Hort. Stn.)	81
,, ..	Portsmouth (Southsea Common)	71	Northumb.	Hallington (Fawcett) ..	82
Berkshire ..	Shinfield (Univ. Hort. Farm)	86	,, ..	Morpeth (Cockle Park) ..	69
Hertford ..	Harpenden (Rothamsted) ..	83	,, ..	Howick Hall Gardens ..	74
Buckingham ..	Oving House	87	Cumberland	Borrowdale (Seathwaite) ..	102
Northampton	Kettering (Sewage Works) ..	81	Westmorland	Ambleside	104
Bedford ..	Woburn (Experimental Farm)	87			
Cambridge ..	Cambridge (Botanic Gardens)	86		WALES	
Essex	Bradwell-on-Sea (Bellropes) ..	83	Glamorgan	Treherbert (Tyn-y-waun) ..	96
,, ...	Halstead (The Brewery) ..	89	Carmarthen	Llanelly (Cwmlliedi W.W.) ..	101
Norfolk ..	Sprowston	79	Cardigan ..	Aberporth	88
,, ..	Cromer (Howards Hill) ..	92	Montgomery	Newtown (Penarth Weir) ..	89
,, ..	Thetford (Waterworks) ..	87	Flint ..	Bodfari (Nantlys)	82
Wiltshire ..	Larkhill (School of Artillery)	97	Denbigh ..	Wrexham (Pack Saddle Res.)	81
,, ..	Marlborough College	88	Caernarvon	Llandwrog (Glynllifon Gdns.)	94
Dorset ..	Evershot (Melbury House) ..	86			
Devon, S. ..	Plymouth (Mount Batten) ..	74		SCOTLAND	
,, ..	Princetown (H.M. Prison) ..	80	Wigtown ..	Port William (Monreith) ..	89
,, N. ..	Torrington (Caynton House)	83	Kirkcudbright	Dalry (Forrest Lodge) ..	102
Cornwall ..	Newquay (Mount Wise) ..	75	Dumfries ..	Durrisdeer (Drumlanrig) ..	95
,, ..	Falmouth	66	,, ..	Canonbie (Irvine House) ..	99
Somerset ..	Bath (Henrietta Park) ..	79	Midlothian ..	Moorfoot Hills (Rosebery) ..	86
,, ..	Long Ashton (Research Stn.)	89	,, ..	West Calder (Addiewell) ..	90
,, ..	Street (Millfield)	86	Ayr ..	Prestwick	91
,, ..	Milverton (Spring Grove) ..	83	Renfrew ..	Paisley W.W. (Black Th'lymuir)	92
Gloucester ..	Cheltenham (Montpellier Gdns.)	82	Argyll ..	Carradale (Torrisdale Castle) ..	90
Hereford ..	Ross-on-Wye	81	,, ..	Loch Eck (Benmore)	108
Stafford ..	Stafford (Victoria Pleasure Gd.)	83	,, ..	Colonsay	111
Worcester ..	Stourport (Lincombe Lock) ..	95	Perth ..	Glengyle	100
Warwick ..	Ryton-on-Dunsmore ..	85	,, ..	Perth (Wellshill Cemetery) ..	79
Lincoln ..	Spalding (Pode Hole) ..	99	Angus ..	Kirriemuir (Lintrathen) ..	79
,, ..	Cranwell Airfield	77	Aberdeen ..	Logie Coldstone School ..	77
,, ..	Revesby Reservoir	99	Banff ..	Banff	99
,, ..	Lincoln (Skellingthorpe Hall)	80	,, ..	Ballindalloch	96
,, ..	Brigg (Wrawby Road) ..	83	Inverness ..	Inverness (Culduthel Res.) ..	101
,, ..	Cleethorpes (Kings Parade) ..	85	,, ..	Arisaig House	113
Nottingham ..	Nottingham (The Castle) ..	86	Sutherland ..	Cape Wrath	115
Cheshire ..	Northwich (Hunts Lock) ..	79			
Lancs, C. ..	Wigan W.W. (Worthington) ..	93		NORTHERN IRELAND	
,, N. ..	Barrow-in-Furness (Gas Wks.)	86	Down ..	Waringstown (The Forge) ..	84
,, ..	Morecambe	84	Antrim ..	Belfast (Queen's University) ..	81
Yorks, W.R.	Sheffield (Weston Park) ..	77	Londonderry	Glenedra Lodge	84
,, ..	Huddersfield (Oakes)	93	Tyrone ..	Sion Mills (Sion House) ..	97
,, ..	Skipton (Chelker Reservoir) ..	88			

* See also Table 8D, pp. 70–73.

11 Evaporation and Percolation in 1953

The purpose of this section is to bring together certain groups of data which have some bearing on the subsequent history of the water which reaches the surface as precipitation. These data, derived from measurements of evaporation, percolation and drainage, were discussed in *British Rainfall* 1951 and 1952, particular attention being drawn to the nature of the instruments used and to the limitations of the measurements made. These matters are given only a brief mention in the present summary.

The 14 *evaporation gauges* are mostly of standard dimensions, 6 feet square and 2 feet deep, the rim projecting about 3 inches above the ground, as described in *British Rainfall* 1939 and earlier volumes. Details of individual gauges are given in Table 11A. The 10 *percolation gauges*, grouped at four stations, are of various dimensions as given in Table 11B, and some have a surface of bare soil while others carry a crop of turf.

The 6 *drainage gauges*, grouped at two stations (Table 11C), differ from the more usual form of percolation gauge in that the simple *seepage gauges* (two at Prescot and two at Lake Vyrnwy) are limited to the top layer of productive soil (11 or 9 inches respectively), while in the remaining two at Lake Vyrnwy, which also include a percolation column, the second stage is separated from the first, the water flowing from one to the other along a pipe.

Data for 1953

Monthly and annual values of evaporation, as recorded at 14 stations in Great Britain, are given in Table 11A. The list of stations is the same as in 1952 except that the record for Rye is no longer available.

For the year as a whole mean temperature was a little above average but the excess was largely due to mild weather in the winter months, particularly in November and December, so that the difference cannot be expected to be generally apparent in increased annual evaporation. Again, sunshine for the year was about average, so that any interesting features must be looked for in individual months. During the dry weather lasting from the middle of February until the last week of March the weather became generally sunny, and in Scotland and north-east England temperatures were above normal for the whole period. Many of the evaporation values are therefore higher than usual for these two months, particularly for March. April was not remarkable, but the warm and sunny weather of May caused a relatively high rate of evaporation followed almost everywhere by a striking reduction in June, reversing the more customary order of values for these two months. Deficiency of sunshine and high relative humidities during thundery weather, rather than low temperatures, were the effective factors in limiting evaporation during June. For the remainder of the year differences from average evaporation were not large.

The annual total of evaporation for Bartley was even lower than in 1952 and was the lowest since 1936. Otherwise the annual totals call for little comment.

Evaporation at Camden Square (*London*). It has been decided to omit the table giving monthly and annual extremes of evaporation at Camden Square from 1885. Examination of recent records for this station shows that the homogeneity of the observations has not been maintained. Going back possibly as far as 1943, the annual total appears to have

diverged persistently from the formerly quoted average (15·50 inches for 1885–1919, 15·39 inches for 1908–42) and the average now seems to be in the neighbourhood of 18·50 or 19·00 inches. Efforts to explain the discrepancy satisfactorily have not been successful, and the obvious explanation that the difference must be due to a leak in the tank is not conclusive because the tank has been carefully examined, and any repairs thought necessary have been carried out, without producing any noticeable effect. It is remarkable that the old average, which was maintained so consistently for nearly 60 years, is now thought to be lower than would be expected for the neighbourhood, and the new trend, maintained equally consistently since about 1943, seems more representative.

Other records have been examined recently to check the consistency of the data and to see whether the averages quoted in Table 11A for the period 1908–42 appear to be satisfactory in the light of recent observations. Three of the evaporation gauges (Ardsley, Lower Laithe and Harrogate) have also been inspected. Averages a little lower than those given in Table 11A are indicated by the recent records for Ormesby St. Michael and Ardsley, and the same may be true for Southport. For Bartley and Lower Laithe slightly higher averages are suggested by the trends in the last few years. The value given for Otterbourne is consistent with the latest data, and although the value for Harrogate may seem a little high for the district it was not possible from an examination of the records, or from inspection of the station, to suggest that this average should be reduced. The matter will be kept under review as further data accumulate, and as further inspections are carried out.

Percolation gauges. In Table 11B the data for 10 percolation gauges are given; the list of stations is the same as in 1952. These data were contributed by the Engineer, Portsmouth Water Co.; the Director, Lawes Agricultural Trust; the Managing Director, Cambridge Waterworks Co.; and the Water Engineer, Harrogate Waterworks. In 1953 the mean inferred evaporation was 16·35 inches compared with the mean loss from 14 evaporation tanks of 17·47 inches. The difference of 1·12 inches is rather small, in harmony with the fact that although the rainfall of the year was in most places less than average, deficiencies occurred mainly in the cooler months. Rainfall in summer was abundant and soil moisture deficits, which would have restricted the evaporation loss from percolation gauges, did not build up to any great degree.

At *Farlington*, although there was a period of more than six months with negligible percolation through any of the gauges, the inferred evaporation amounts were closely comparable with the tank measurement at Otterbourne (about 17 miles north-west). The summer rainfall, therefore, almost kept pace with potential evapo-transpiration during the warmer half-year, leaving a relatively modest soil-moisture deficit to be made up by the autumnal rains.

At *Rothamsted* it is worth noting that the only month with zero percolation was March, but there was nevertheless an appreciable difference between the inferred evaporation and the tank measurement of 18·92 inches. The surface of these percolation gauges is, however, bare unworked soil, while all the Farlington gauges carry turf. Evaporation from a bare soil percolation gauge is more readily restricted in short periods of dry weather than that from a cropped gauge.

The two gauges at *Fleam Dyke* illustrate this last point by showing the usual relationship between the bare soil gauge readings and those from the grassed gauge. Here, as at Farlington, the grassed gauge can use almost all the summer rainfall, while from the bare soil gauge appreciable amounts of moisture are not evaporated and eventually show as percolation in almost every month.

At *Harrogate* the normal relationship between the values from a cropped percolation gauge and from an evaporation tank is again shown.

Table 11A. Evaporation in 1953

List of Stations	County		Observer	Particulars of Tank			
				Height above Ground	Height above Sea Level	Side	Capacity
				ft. in.	ft.	ft. in.	Gals.
Camden Square	London	2	Royal Meteorological Society	0 3	111	6 0	450
Kew Observatory	Surrey	5	Meteorological Office	0 3	18	6 0	450
Otterbourne	Hampshire	5	J. Hawksley, Esq.	0 3	112	6 0	450
Rothamsted	Hertfordshire	2	Lawes Agricultural Trust	0 3	420	6 0	450
Ormesby St. Michael	Norfolk	2	Gt. Yarmouth Waterworks	0 3	21	6 0	450
Bartley Reservoir	Warwickshire	4	C.A.Risbridger,Esq.,M.I.C.E.	0 3	611	6 0	450
Revesby Reservoir	Lincolnshire	3	D. H. Ball, Esq.	0 6	124	6 0	450
Southport	Central Lancashire	3	The Corporation	0 3	37	3 0	112
Ardsley Reservoir	Yorkshire W.R.	8	Wakefield Corpn. Waterworks	0 3	392	6 0	450
Lower Laithe Reservoir	,, ,,	9	Keighley Corpn. Waterworks	0 6	772	6 0	450
Harrogate	,, ,,	11	J. B. Pooley, Esq.	0 3	549	6 0	450
Lake Vyrnwy (Exp'l Stn.)	Montgomeryshire	5	Liverpool Corpn. Waterworks	0 3	995	6 0	450
Wrexham	Denbighshire	1	S. E. Ashmore, Esq.	0 3	275	4 0	300
Talla Water	Peeblesshire	1	Edinburgh Waterworks	0 3	904	6 0	450

1953	Camden Square	Kew	Otterbourne	Rothamsted	Ormesby St. Michael	Bartley	Revesby	Southport
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January	·16	·41	·19	·04	·32	·26	·07	·08
February	·24	·63	·41	·29	·22	·35	·21	·12
March	·92	1·11	1·46	1·23	·81	·63	·99	·58
April	1·62	2·19	2·23	2·01	1·60	1·75	1·41	1·50
May	3·16	3·85	3·11	3·07	2·53	2·33	2·34	2·36
June	2·71	3·39	2·72	2·58	2·24	2·22	1·89	2·63
July	2·92	3·65	3·23	3·20	2·87	3·06	2·52	3·11
August	3·02	3·81	3·13	3·21	2·64	2·70	2·33	2·51
September	1·68	2·52	2·11	2·05	1·39	1·66	1·82	1·34
October	·67	·97	1·08	·80	·77	·61	·91	·51
November	·42	·52	·43	·30	·49	·28	·43	·26
December	·24	·48	·23	·14	·22	·07	·41	·20
Year	17·76	23·53	20·33	18·92	16·10	15·92	15·33	15·20
Average 1908–42	..	..	19·71	..	17·26	17·19	..	15·82
Difference	..	..	+·62	..	− 1·16	− 1·27	..	− ·62

1953	Ardsley	Lower Laithe	Harrogate	Lake Vyrnwy	Wrexham	Talla Water	Mean of 14 records	Average 1908–1942
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January	·50	c ·01	·12	·39	·24	c ·33	·17	·14
February	·61	·11	·12	·16	·64	·27	·31	·29
March	·95	1·00	1·20	1·18	1·35	·76	1·01	·79
April	1·49	1·52	1·73	1·92	2·50	1·23	1·77	1·62
May	2·66	3·04	2·82	2·74	3·64	2·35	2·86	2·53
June	2·02	2·11	1·86	2·42	2·97	2·40	2·44	3·07
July	2·73	2·99	3·20	2·46	3·76	1·92	2·97	2·98
August	2·47	2·48	2·72	2·20	3·34	1·82	2·74	2·44
September	1·83	1·58	1·89	1·51	2·44	·91	1·77	1·59
October	·77	·77	1·01	·86	1·06	·42	·80	·84
November	·74	·04	·68	·40	·67	·20	·42	·34
December	·48	c ·17	·28	·18	·15	c ·01	·21	·15
Year	17·25	15·46	17·63	16·42	22·76	11·94	17·47	16·78
Average 1908–42	17·59	15·10	19·53	..	..	..	..	..
Difference	− ·34	+ ·36	− 1·90	..	..	..	..	..

NOTE.—In the Table "c" indicates an excess of condensation over evaporation.

Table 11B. Rainfall, Percolation and Inferred Evaporation in 1953

1953	Farlington, Hants Gauges 36-inch diameter						Rothamsted, Herts $\frac{1}{1000}$ acre gauges			Fleam Dyke, Cambs $\frac{1}{1000}$ acre gauges			Harrogate Yorks 3 ft. × 3 ft. × 3 ft.	
	Rainfall	Percolation 24″ Chalky Marl**	36″ Chalky Marl**	48″ Chalky Marl**	36″ Sand‖	36″ Chalk‖	Rainfall†	Percolation* 20″ Soil	Percolation* 60″ Soil	Rainfall	Percolation 36″* Chalk	Percolation 36″‡ Chalk	Rainfall	Percolation
	in.	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*	*in.*
January ..	1·13	1·02	·93	1·12	1·17	1·10	1·14	·96	·99	·99	1·04	1·17	·54	·60
February ..	1·35	1·13	1·15	1·22	1·36	1·19	2·17	1·60	1·80	1·38	1·07	1·38	1·30	1·90
March ..	·45	·01	·01	·07	·08	·04	·47	·00	·00	·46	·05	·01	·69	·10
April ..	1·50	·00	·00	·01	·01	·00	2·51	·60	·47	1·95	·03	·01	2·47	·50
May	2·43	·01	·00	·01	·00	·00	1·65	·50	·54	1·27	·27	·00	1·41	·22
June	2·89	·10	·00	·02	·00	·00	2·22	·54	·51	2·60	1·28	·08	1·58	·04
July	3·85	·02	·00	·01	·00	·00	3·81	1·28	1·16	1·96	·05	·00	3·03	·02
August ..	1·72	·00	·00	·00	·00	·00	1·53	·14	·16	1·87	·55	·01	3·90	·83
September ..	2·69	·00	·00	·00	·00	·00	1·96	·68	·63	1·37	·08	·00	2·14	·76
October ..	3·76	1·46	·40	·00	·00	·26	2·93	1·83	1·63	2·17	1·40	·00	2·12	1·20
November ..	1·64	1·49	1·63	·74	·77	2·03	1·76	1·75	1·63	1·33	1·20	·65	2·89	2·75
December ..	·70	·34	·18	·16	·21	·20	·61	·27	·19	·65	·09	·14	1·35	1·12
Year	24·11	5·58	4·30	3·36	3·60	4·82	22·76	10·15	9·71	18·00	7·11	3·45	23·42	10·04
Inferred Evaporation	..	18·53	19·81	20·75	20·51	19·29	..	12·61	13·05	..	10·89	14·55	..	13·38

† Values obtained from 5 inch gauge.
* Through bare unworked soil.
** Depths include 12 in. of top soil and turf.
‖ Depths include 6 in. of top soil and turf.
‡ Through turfed soil.

Drainage gauges. The 1953 data for the drainage gauges at Prescot and Lake Vyrnwy, supplied by the Engineer, Liverpool Corporation Waterworks, are set out in Table 11c. The peculiar difference between the seepage through turfed soil and bare soil at Prescot (reversing the expected relationship) was much reduced compared with 1952, but also appeared this year at Lake Vyrnwy (gauge numbers 1 and 2). The other two gauges (numbers 3 and 4) at Lake Vyrnwy were again similar. As noted for 1952, the annual value of the inferred evaporation at Lake Vyrnwy remains very steady, and it amounts to about three-quarters of the tank measurement, a ratio in good accord with expectation.

Table 11c. Drainage Observations in 1953

1953	Prescot, Lancashire			Lake Vyrnwy, Montgomeryshire				
	Rainfall	Seepage* Gauges		Rainfall	Seepage* Gauges		Percolation† Gauges	
		Bare Soil	Turfed Soil		No. 1 Bare Soil	No. 2 Turfed Soil	No. 3 Grass covered over chalk	No. 4 Grass covered over chalk
	in.	in.	in.	in.	in.	in.	in.	in.
January ..	1·57	1·53	1·62	2·60	2·26	2·23	2·21	2·16
February ..	1·35	1·29	1·01	3·85	3·37	3·11	3·05	3·21
March	1·21	·25	·44	5·40	4·31	4·49	4·53	4·58
April	2·69	·60	1·38	5·10	3·58	3·92	3·93	3·95
May	2·27	·00	·09	3·35	1·64	1·61	1·56	1·63
June	1·66	·01	·12	2·10	·45	·50	·46	·59
July	4·36	·79	·50	8·05	5·67	5·58	5·53	5·72
August ..	3·71	1·10	·64	5·18	3·32	3·50	3·32	3·55
September ..	4·00	2·07	1·91	7·50	6·20	6·52	6·38	6·47
October ..	1·99	·84	1·09	2·85	2·06	2·32	2·24	2·26
November ..	3·46	2·69	2·99	8·15	8·23	8·31	8·45	8·45
December ..	1·21	·90	·97	2·20	2·19	2·21	2·21	2·17
Year	29·48	12·07	12·76	56·33	43·28	44·30	43·87	44·74
Soil Evaporation	..	17·41	16·72	..	13·05	12·03	12·46	11·59

* The receiving surface of the Seepage gauge is ten times the receiving surface of a 5-inch diameter rain-gauge.
† The receiving surfaces of the Percolation gauge are together thirteen times the receiving surface of a 5-inch diameter rain-gauge.

METEOROLOGICAL OFFICE

BRITISH RAINFALL ORGANIZATION

BRITISH RAINFALL, 1953

PART II

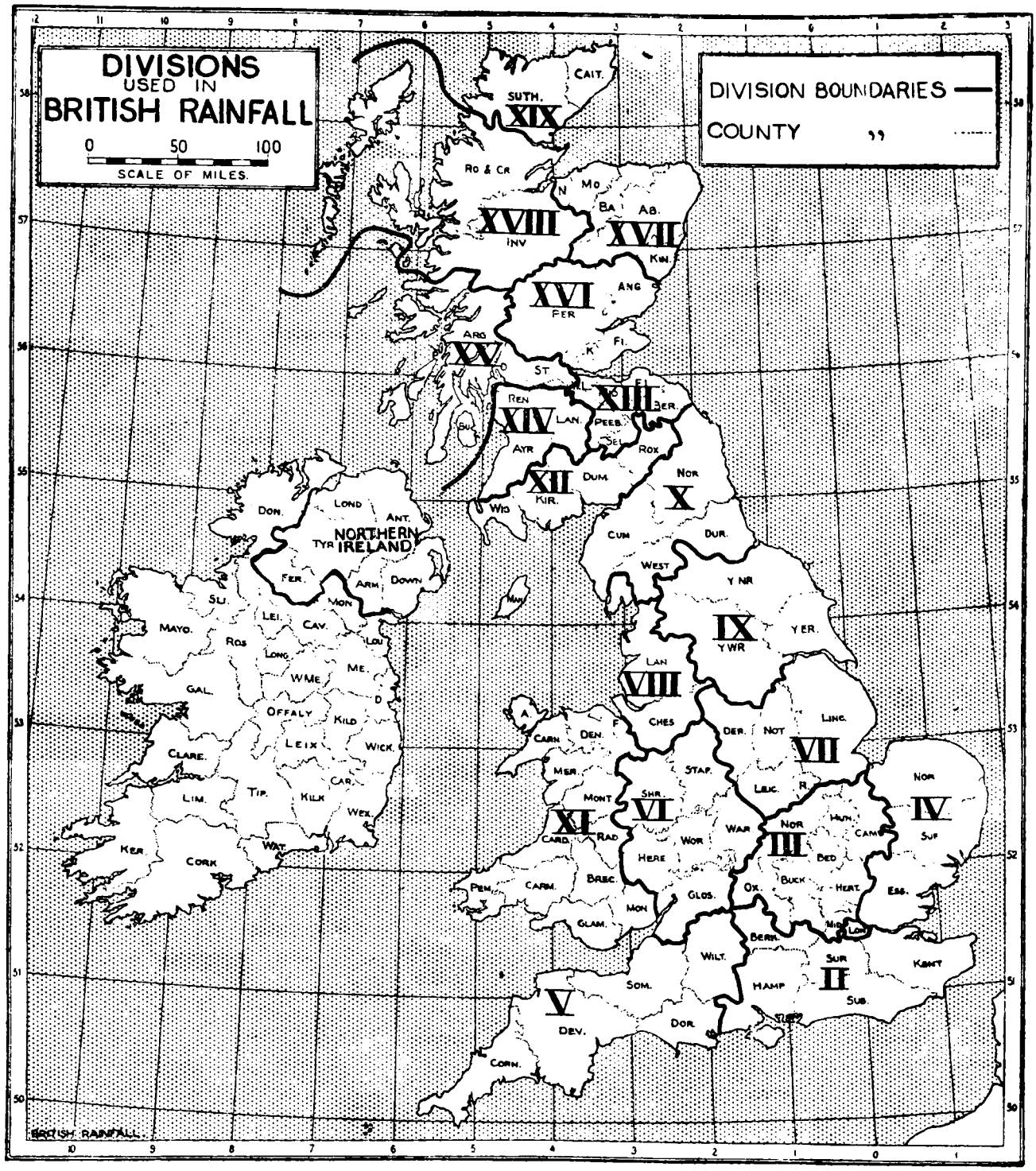
General Table of

Total Rainfall in 1953

at Stations in Great Britain and Northern Ireland with the names of the Observers or other Authorities for the Observations

M.O. 588a

AIR MINISTRY


DIVISIONS
USED IN
BRITISH RAINFALL
0 50 100
SCALE OF MILES.
DIVISION BOUNDARIES
COUNTY
XIX
XVIII
XVII
XVI
XV
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BED
BUCK
HERT.
ESS.
OX.
PEM.
CARM.
GLOS.
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GLAM.
MID.
LON.
BERK.
WILT.
SUR
KENT
SOM.
HAMP
SUB.
DOR.
DEV.
CORN.
DON.
LOND
ANT.
TYR
NORTHERN IRELAND
FER.
ARM
DOWN
MON
MAN
SLI.
LEI.
CAV.
LOU
MAYO.
ROS
LONG.
WME.
ME.
GAL.
OFFALY
KILD
D
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WICK
CLARE.
CAR.
LIM.
TIP.
KILK
WEX.
KER
WAT.
CORK
BRITISH RAINFALL

General Table of Total Rainfall in 1953

EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map facing this page.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37–66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40–72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of some river basins have been redetermined since these lists were first published. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire there are four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber. To the names of river-divisions "& C" is added to indicate "and other streams flowing into the sea," while "& c" means "and some land draining to the main river."

An index of River Basins, indicating the various river-divisions in each county included in the main river-basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, e.g. "Royston (Therfield Rectory)" means Therfield Rectory, near Royston. There is an exception where the position of stations on open moors can be related better to a waterworks undertaking and in these instances the authority is given initially.

Stations the names of which are printed in small capitals, e.g. KENSINGTON PALACE, are climatological stations reporting to the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*, and the name in small capitals is that used in that publication.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at lighthouses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, with shorter records, if they have been reduced by accepted methods to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to 1915 by comparison with nearby stations with records complete from 1881 to date. Averages determined by authorities other than the Meteorological Office are printed in italics, since they may subsequently be revised. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years, 1881 to 1915, are always preferred for entry in the table.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, e.g. when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation (?) implies doubt, not necessarily error. The absence of information is indicated by ...

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DIVISION I—LONDON (Area 117 sq. mi.)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	1.—THAMES. Right Bank Tributaries. 67 sq. mi.		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	BERMONDSEY								
D	Southwark Park	London County Council	5	1 0	9	24·4	20·18	136	91
	LAMBETH								
D	Brockwell Park (+A)	London County Council	5	1 0	144	23·8	19·87	139	99
D	Brixton Hill Reservoir	Metropolitan Water Board	5	1 0	121	23·9	19·14	136	94
	BATTERSEA								
d	Battersea Park	London County Council	5	1 0	13	23·2	20·26	...	89
	WANDSWORTH								
d	Streatham (Conyers Road)	Metropolitan Water Board	5	1 7	113	23·3	17·99	...	...
D	Tooting Bec (Moring Road)	H. J. Lewis, Esq.	5	1 2	150	...	18·94	149	98
D	Streatham Hill Reservoir	Metropolitan Water Board	5	1 0	202	23·3	19·65	137	99
D	Putney Heath Reservoir (+A)	Metropolitan Water Board	5	1 0	184	...	19·80	142	95
D	Streatham (Furzedown Rec. Ground)	P. V. Marchant, Esq., C.E.	5	1 6	89	24·7	18·57	141	98
D	Southfields (Coronation Gardens)	P. V. Marchant, Esq., C.E.	5	1 6	37	23·6	18·38	109	90
d	Dulwich (Belair)	J. J. Heasman, Esq.	5	1 0	150	...	20·12	...	85
	CAMBERWELL								
D	Nunhead Reservoir	Metropolitan Water Board	5	1 0	175	...	20·44	140	87
	DEPTFORD								
D	Telegraph Hill	London County Council	5	1 0	150	...	20·27	137	92
D	Waterworks	Metropolitan Water Board	5	1 0	20	23·0	20·44	112	86
	GREENWICH								
D	Deptford (Pumping Station) (+A)	London County Council	8	1 6	15	22·4	20·60	125	85
D	Blackheath (Hassendean Road)	Miss D. Norton	8	2 0	100	...	22·20	137	91
D	GREENWICH (Nat. Maritime Museum)	Director, for M.O.	8	1 0	24	...	20·77	127	82
	LEWISHAM								
d	Forest Hill Reservoir (+A)	Metropolitan Water Board	5	1 0	339	...	20·72	...	...
	WOOLWICH								
d	§Eltham (High Street) (+A)	Metropolitan Water Board	5	1 0	245	23·2	20·92	...	...
	2.—THAMES. Left Bank Tributaries. 50 sq. mi.								
	KENSINGTON								
D	Holland House	London County Council	5	1 0	68	23·9	21·69	132	97
D	Campden Hill Reservoir	Metropolitan Water Board	5	1 0	138	24·5	21·73	127	95
D	KENSINGTON Palace (+A)	Ministry of Works, for M.O.	5	1 0	80	24·2	21·48	132	93
	HAMMERSMITH								
D	Pumping Station (+A)	London County Council	5	6 0	19	23·2	20·49	138	93
	FULHAM								
D	Bishop's Park (+A)	Borough Engineer	5	0 8	15	22·6	20·07	142	101
	CHELSEA								
D	Physic Garden	Curator	5	1 0	20	23·4	20·47	129	90
	WESTMINSTER								
D	Western Pumping Station (+A)	London County Council	8	1 9	16	...	21·36	108	82
D	Buckingham Palace	Mr. F. C. Nutbean	5	8 0	35	23·5	20·93	118	94
D	ST. JAMES'S PARK (+A)	Ministry of Works, for M.O.	8	1 0	27	22·4	20·73	134	92
	ST. MARYLEBONE								
D	REGENT'S PARK	Ministry of Works, for M.O.	5	1 0	129	...	20·93	131	95
	HAMPSTEAD								
D	OBSERVATORY (+A)	Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	8	1 0	450	26·3	22·26	139	102
D	Golders Hill Park	London County Council	5	1 0	350	26·2	23·13	145	107

§ Turf wall round gauge.

DIVISION I—LONDON—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	2.—THAMES. Left Bank Tributaries—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	ST. PANCRAS									
D	CAMDEN SQUARE	(+A)	Royal Meteorological Soc.	5	1 0	110	24·5	20·57	134	96
	STOKE NEWINGTON									
D	New River Res. (Lordship Rd.)	(+A)	Metropolitan Water Board	5	1 0	105	23·5	20·37	127	92
	HACKNEY									
D	Clapton Pond	(+A)	Borough Engineer	5	1 0	68	22·8	20·99	133	92
	FINSBURY									
d	New River Head		Metropolitan Water Board	5	1 0	95	...	20·34	...	...
	BETHNAL GREEN									
d	Victoria Park		London County Council ..	5	1 0	43	23·1	21·69	123	105
	POPLAR									
D	Isle of Dogs (Island Gardens) ..		London County Council ..	5	1 0	18	21·9	18·96	111	87
D	Old Ford (Pumping Station) ..		Metropolitan Water Board	5	0 6	18	22·9	20·11	116	92
D	Old Ford (Penstock House)		London County Council ..	8	0 10	39	22·4	18·93	112	86
	WOOLWICH									
D	Barking Outfall		London County Council ..	5	0 10	24	20·8	19·09	112	81

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

	1.—ARUN. 45 sq. mi.									
D	Chiddingfold (Chiddingfold House) ..		L. J. E. Hooper, Esq. ..	5	0 9	200	*31·0*	25·70	140	95
D	Godalming (Burgate)		Major J. Godman	5	1 0	320	...	24·23	145	101
	2.—MEDWAY. 50 sq. mi.									
D	East Grinstead (Lockeridge)		Lt.-Col. J. F. Forbes, D.S.O.	5	1 0	320	*31·6*	27·13	171	100
D	Dormans Park (Chartham Park) ..		I. D. Margary, Esq. ..	5	1 0	270	*31·2*	27·34	158	106
D	Dormans Park (Yew Lodge) ..		Mrs. I. D. Margary ..	5	1 0	260	*30·6*	27·00	148	105
D	Lingfield (Sewage Works) ..	(+A)	Godstone R.D.C.*	5	1 0	155	28·2	26·20	147	104
D	Limpsfield (Red Lane Farm)		Capt. B. Crewdson ..	5	1 0	281	...	26·47	168	111
D	Limpsfield & Oxted Sewage Wks.	(+A)	Godstone R.D.C.*	5	1 0	236	...	27·15	155	113
M	Limpsfield (Kent Hatch Reservoir) ..		East Surrey Water Co. ..	5	1 0	664	...	26·90	...	...
	3.—THAMES. Darent. 22 sq. mi.									
D	Westwood (Pumping Station).. ..		East Surrey Water Co. ..	5	1 0	418	28·5	26·73	154	104
D	Warlingham Park Hospital		Croydon Corporation ..	8	1 0	600	32·0	26·44	141	110
D	Addington (Hares Bank Pump. Stn.)		Croydon Corporation ..	8	1 0	331	28·4	25·17	152	104
D	Addington (Abbotswood)		H. C. Hawkins, Esq. ..	5	0 11	390	...	24·15	136	98
D	ADDINGTON Hills Reservoir		Croydon Corporation ..	8	1 0	472	27·9	25·44	145	102
	4.—THAMES. Wandle. 71 sq. mi.									
D	Kingswood (Margery Hall Res.) ..		Sutton District Water Co.	5	1 0	691	30·2	27·31	155	112
D	Kingswood (The Chase)		H. J. Gosney, Esq.	5	1 0	550	...	26·40	145	105
	Woldingham Reservoir		East Surrey Water Co. ..	5	1 0	841	32·9	28·37	...	...
D	Caterham Reservoir		East Surrey Water Co. ..	5	1 0	704	32·5	27·73	153	115
D	Caterham (Alderstead Heath)	(+A)	Coulsdon & Purley U.D.C.*	5	1 0	577	31·4	26·99	158	104
D	Chelsham & Woldingham W.W. ..		East Surrey Water Co. ..	5	1 0	478	32·5	27·74	146	106
D	Caterham (White Knobs Way) ..		Miss V. K. Isaac	5	1 0	500	32·8	28·76	166	114
D	Banstead (Burgh Heath Reservoir) ..		Sutton District Water Co.	5	1 0	582	30·8	26·02	149	107
D	Chipstead (How Green Reservoir) ..		Sutton District Water Co.	5	1 0	528	31·1	26·19	145	106
D	Coulsdon (The Vale)		H. E. W. Hollobone, Esq.	5	1 6	318	...	24·21	140	96
D	Kenley (Refuse Disposal Works)	(+A)	Surveyor	5	1 0	286	29·7	25·95	143	101
D	Kenley (Pumping Station)		East Surrey Water Co. ..	5	1 0	275	29·0	24·07	130	104

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SURREY—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—THAMES. Wandle—(*contd.*)								
D	Coulsdon (Midday Sun Allotments.)	(+A) Coulsdon & Purley U.D.C.*	5	1 0	325	...	23·93	156	99
D	Woodcote Park Golf Club	(+A) Coulsdon & Purley U.D.C.*	5	1 0	450	28·1	24·77	154	104
D	Purley (Selcroft Road)	Miss C. Porter	5	1 0	400	28·7	25·04	136	102
D	Purley (Woodcote Valley Road)	C. Stuart Bailey, Esq.	5	1 0	310	29·5	24·05	141	96
D	Purley (Pumping Station)	East Surrey Water Co.	5	1 0	214	29·3	25·53	131	105
D	SANDERSTEAD	M. J. Rawlinson, Esq.	5	1 0	408	...	25·36	148	104
D	Purley (Pampisford Road)	C. Knight, Esq.	5	0 6	250	...	24·59	139	121
D	Sanderstead (Beechwood Road)	G. M. Davies, Esq.	5	1 0	320	...	24·84	133	102
D	Purley (Oaks Depot)	(+A) Coulsdon & Purley U.D.C.*	5	1 0	190	...	23·92	141	99
D	CROYDON Airport	(+A) Meteorological Office	5	1 0	201	26·7	20·66	122	88
D	Croydon (Croham Valley Road)	F. A. Reynolds, Esq.	5	1 0	350	...	25·13	126	104
D	Carshalton (Pumping Station)	Surveyor, U.D.C.	5	1 0	84	25·9	19·94	121	92
D	Beddington (Sewage Farm)	Croydon Corporation	5	1 0	129	24·5	21·47	141	94
D	Beddington Park	(+A) Borough Council*	5	1 0	108	24·1	21·30	132	96
D	Croydon (Northampton Road)	Mrs. Vera Higgins	5	1 0	210	26·9	21·96	152	100
d	Beddington Corner (Millgreen Road)	Messrs. G. Miller & Sons	5	1 0	77	...	21·81	...	...
D	Thornton Heath (Grange Park Road)	A. R. Pearce, Esq.	5	1 0	287	...	21·51	141	97
D	Mitcham (London Road)	(+A) Mitcham Borough Council*	5	0 11	62	22·6	18·96	132	89
D	Wimbledon (Durnsford Road)	(+A) T. Webster, Esq., C.E.*	5	1 0	58	22·6	19·17	144	91
	5.—THAMES. Mole & c. 229 sq. mi.								
D	HORLEY (Worth Park Nurseries)	F. M. Gurteen, Esq.	5	1 0	195	...	26·55	150	99
D	Horley (Tinsley Sewage Works)	(+A) A. J. W. McIntosh, Esq.	5	1 0	210	...	26·34	144	100
D	Horley (Yew Trees)	Miss M. Macleod	5	1 0	180	...	24·20	149	100
D	Dorking (Bramerton)	Late Rev. James F. Twist	5	1 0	300	32·1	27·92	154	114
D	Ranmore (Denbies)	Mr. S. C. Westbrook	5	1 0	620	...	27·87	142	106
D	Ranmore Common (Fox Cottage)	W. H. E. Rivett, Esq.	5	1 0	631	...	27·48	132	112
D	Dorking (Pixham Lane S. Wks.)	(+A) Dorking U.D.C.*	5	1 0	138	29·8	24·77	140	100
D	Earlswood (Sewage Farm)	(+A) G. G. Sanderson, Esq., C.E.*	5	1 6	196	27·2	25·32	142	103
D	Redhill (London Road)	East Surrey Water Co.	5	1 0	270	28·4	24·39	142	103
D	Reigate (Wray Park Road)	W. J. MacAndrew, Esq.	5	1 0	330	29·8	25·66	138	103
D	Reigate (Castle Grounds)	G. G. Sanderson, Esq., C.E.	5	2 0	320	29·3	24·46	137	102
D	Bletchingley (South Park Farm)	Major U. H. Lambert	5	1 4	340	28·7	28·19	150	112
D	Merstham (Gatton Point)	C. F. Bull, Esq.	5	1 0	300	29·2	24·75	145	97
D	MICKLEHAM (Juniper Hall)	C. Promotion Field Studies	5	1 0	179	...	23·82	135	92
	Effingham Reservoir	East Surrey Water Co.	5	1 0	363	29·3	23·17	...	...
D	Headley Reservoir	East Surrey Water Co.	5	1 0	629	*32·0*	26·10	147	109
D	Mertsham (Merstham Lodge)	J. F. E. Goad, Esq.	5	0 11	500	...	28·44	168	110
D	Headley (The Hurst)	Mrs. Lyall	5	1 0	420	30·6	25·46	141	100
D	Leatherhead (Elmer Softening Wks.)	(+A) East Surrey Water Co.	5	1 0	168	...	22·22	137	94
D	Leatherhead (Thorncroft Manor)	Brit. Elec. & Allied Industries	5	1 0	108	...	22·98	160	89
d	Leatherhead (Tyrrells Wood)	E. H. Cutbill, Esq.	5	1 0	410	...	24·28	...	105
D	Tadworth (Pumping Station)	Banstead U.D.C.	5	1 0	405	...	25·16	161	105
D	Ashtead (Park Lane)	G. R. Crompton, Esq.	8	1 0	318	...	23·30	143	97
D	Leatherhead (Sewage Works)	(+A) F. J. Southam, Esq.*	5	1 0	104	25·9	20·63	135	92
D	Epsom (Downs Road)	T. N. Young, Esq., M.B.E.	5	1 0	400	...	23·54	140	93
D	Cobham (Towngate)	E. Boughton, Esq.	5	1 0	160	...	20·34	135	91
D	Epsom College	S. A. Weare, Esq.	8	1 6	300	26·9	20·29	133	95
D	Cobham (Sewage Works)	Esher U.D.C.	8	1 0	71	...	21·82	149	98
D	Banstead (Green Curve)	J. Tilley, Esq.	5	1 0	450	...	24·09	150	93
D	Epsom (Sewage Farm)	Surveyor*	8	1 0	125	...	22·61	143	95
D	Epsom (Waterworks)	T. N. Young, Esq., M.B.E.	5	1 0	150	...	21·74	140	92
D	Whiteley Village	Whiteley Homes Trust	8	3 4	190	24·3	20·73	154	98
D	Sutton (Waterworks)	Sutton District Water Co.	5	1 0	161	25·4	21·24	135	95
D	Sutton (Sewage Works)	(+A) N. H. Michell, Esq., C.E.*	5	1 0	99	24·7	19·46	134	89

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SURREY—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	5.—THAMES. Mole & c.—(*contd.*)									
D	Epsom (Ruxley Lane S. Wks.)	(+A)	Surveyor*	5	1 6	76	23·2	19·83	126	92
D	Weybridge (Weyland S. Wks.)	(+A)	Walton & Weybridge U.D.C.*	5	1 0	50	22·8	18·94	137	84
D	Esher (Sewage Works) ..	(+A)	Esher U.D.C.*	5	1 0	44	...	19·04	134	90
d	Esher (Penlea)		P. W. Partridge, Esq. ..	5	0 11	35	...	19·05	...	...
D	Worcester Park (Sewage Wks.)	(+A)	N. H. Michell, Esq., C.E.*	5	1 0	68	24·4	20·24	128	92
D	Old Malden (Sports Ground)	(+A)	Malden & Coombe B.C.* ..	5	0 8	64	24·3	20·65	127	95
D	Surbiton (Seething Wells) ..		Metropolitan Water Board	5	0 10	34	24·5	19·98	133	92
D	Surbiton (Sewage Disp. Works)	(+A)	Borough Engineer* ..	5	1 0	51	23·1	19·19	136	90
D	West Molesey (Walton Works)		Metropolitan Water Board	5	1 0	35	23·1	18·23	130	83
D	New Malden (Sewage Works)	(+A)	Malden & Coombe B.C.* ..	5	0 10	51	22·8	19·31	126	89
D	New Malden (Acacia Grove) ..		A. C. Josling, Esq.	5	1 0	50	...	19·84	153	94
D	Morden Hall	(+A)	R. W. North, Esq., C.E.* ..	5	1 2	117	...	19·19	133	88
D	Merton (Joseph Hood Rec. Ground)		R. W. North, Esq., C.E. ..	5	1 0	48	*23·5*	19·37	140	96
D	Merton Park (Mostyn Road) ..		A. T. Bench, Esq.	5	1 0	55	...	19·50	139	88
D	New Malden (High Drive)		Mrs. Ben. G. Brame ..	5	1 0	60	*24·1*	19·56	140	94
D	Kingston (Canbury Gardens) ..	(+A)	G. C. Stedman, Esq.* ..	5	1 0	25	22·7	19·62	136	88
D	Raynes Park (Cottenham Pk. P.S.)	(+A)	T. Webster, Esq., C.E.* ..	5	1 0	50	23·9	17·97	136	84
D	New Malden (Kingston Vale)	(+A)	Malden & Coombe B.C.*	5	1 1	47	...	20·34	133	93
D	Richmond (Terrace Gardens) ..		G. Humphreys, Esq. ..	5	1 3	29	*23·5*	21·22	138	91
D	Eash Sheen (Cemetery) ..	(+A)	Barnes Corporation* ..	5	0 10	88	24·4	21·50	130	93
D	East Sheen (Wallorton Gardens) ..		J. J. Fisher, Esq.	5	1 0	37	...	20·63	151	96
D	KEW OBSERVATORY	(+A)	Meteorological Office ..	8	1 0	18	23·8	19·65	135	90
D	Barnes (Barn Elms)		Metropolitan Water Board	5	1 0	16	22·9	20·50	130	92
	6.—THAMES. Wey. 236 sq. mi.									
D	Shottermill (Sewage Works) ..	(+A)	Surveyor*	5	1 7	381	*35·2*	26·78	156	97
D	Haslemere (Church Hill)		T. M. Sherwell, Esq. ..	5	1 0	530	...	28·80	161	108
D	Hindhead (Waterworks)		Wey Valley Water Co. ..	5	1 0	839	*34·5*	27·52	152	102
D	Churt (Firdown)		W. E. Livock, Esq. ..	5	1 0	500	...	24·17	136	99
D	Cranleigh (Lambswood)		Cranleigh Water Co. ..	5	0 10	300	...	26·46	154	114
D	Cranleigh (Sewage Works) ..	(+A)	Surrey County Council ..	5	1 0	154	...	23·25	145	95
D	Hascombe (Olivers)		Miss F. C. Musgrave ..	5	1 0	361	31·7	25·33	147	101
D	Hascombe (Winkworth Hanger) ..		J. H. Wenham, Esq. ..	5	1 0	430	...	25·01	155	102
d	Whitley (King George V Sanatorium)		Dr. J. V. Hurford	5	1 0	305	...	24·85	...	100
d	Ewhurst (Copse Hill)		Mr. A. P. Clow	5	1 6	670	...	25·68	145	109
D	Ewhurst (Woolpit)		F. Butterick, Esq.	5	1 0	600	*32·3*	26·50	172	101
d	Godalming (Munstead Heath) ..		Mrs. M. M. Hodsoll ..	5	1 0	550	*30·3*	22·57	...	98
d	Milford (Kennel Moor)		G. S. Sansom, Esq., D.Sc...	5	1 0	180	...	22·04	...	93
D	Godalming (Kingscote)		Rev. F. P. Synge	5	2 0	280	...	23·32	174	98
D	Godalming (Borough Road P.S.) ..		Engineer and Manager ..	8	1 0	120	*28·7*	22·75	153	104
D	FARNHAM (ROWLEDGE)		D. H. Gordon, Esq. ..	5	1 0	300	...	23·65	162	101
D	Farnham (Little Park)		Major G. A. Moxon ..	5	1 0	400	...	22·12	132	90
D	Holmbury St. Mary (Feldemore) ..		Mr. W. E. Hobday ..	5	2 0	500	*32·0*	29·12	145	116
D	Peaslake (Southcots)		J. S. Moffat, Esq.	5	1 0	420	*33·1*	28·72	174	113
	Abinger Common (Furzen Wood) ..		Major E. J. Lugard, D.S.O.	5	1 0	555	*31·0*	27·11	...	...
d	Shere (Coombe End)		Miss R. L. M. Warren ..	8	1 3	294	...	24·90	...	99
D	Shalford (Unstead Sewage Works) ..		Borough Surveyor	5	1 6	120	...	22·42	152	94
D	Shalford (The Hutch)		Capt. G. C. Pentland ..	5	1 2	180	...	23·93	153	100
d	Farnham (Wrecclesham)		W. Sotheby, Esq.	8	1 0	360	...	21·96	...	...
D	Farnham (West Street)		Capt. A. M. H. Fergus ..	5	1 0	230	...	22·78	144	101
D	Farnham (Sewage Works)		Engineer & Surveyor ..	5	1 0	245	...	22·31	141	94
d	Seale (Binton Cottage)		J. R. Colyer, Esq.	5	1 0	310	...	21·11	...	90
D	FARNHAM (CASTLE STREET)		A. C. Hunt, Esq.	5	1 0	256	...	20·30	146	96

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SURREY—(*contd.*)			*in.*	*ft.*	*ft.*	*in.*	*in*		
	6.—THAMES. Wey—(*contd.*)									
D	Farnham (Broomleaf Road)		A. C. Challands, Esq.	5	1 0	250	...	21·86	147	95
D	Farnham (Beechwood)		Mrs. K. M. Lewis	5	1 0	275	...	22·16	125	97
D	Guildford (Onslow Village)		C. O. Hunt, Esq.	5	0 9	300	...	21·90	155	98
D	Guildford (Avonmore Avenue)		Mrs. M. H. Fulk	5	1 0	184	...	23·44	155	97
D	Guildford (Boxgrove School)		Capt. V. H. Holroyd, F.R.G.S.	5	1 0	200	...	20·93	138	91
D	Guildford (Joseph's Road)	(+A)	Borough Surveyor*	5	1 2	98	25·0	19·90	133	87
d	West Clandon Quarry		Agricultural Contractors Ltd.	5	1 0	266	...	22·11	...	87
D	West Clandon		J. Dalrymple, Esq., C.E.	8	1 0	319	*28·5*	23·11	137	102
	East Horsley (Ethandown)		Basil D. Tims, Esq.	5	0 9	280	...	23·65	...	...
D	Pirbright (Bakersgate)		The Hon. Charles J. L. Lyle	5	1 0	120	...	19·27	133	90
d	Old Woking (The Gresham Press)		Unwin Bros., Ltd.	5	1 0	50	...	19·89	131	102
D	Woking (The Grange)		Miss M. E. Wilson	5	1 0	81	...	20·91	141	96
W	Woking (St. John's Hill Road)		Prof. H. M. Turnbull	5	1 8	183	...	20·23	...	...
D	Old Woking (Sewage Works)		Woking U.D.C.	5	1 0	76	*24·9*	20·08	137	96
D	Woking (Council Offices)	(+A)	Woking U.D.C.	5	1 0	132	25·0	20·72	142	97
d	Woking (Percy Street)		J. Dalrymple, Esq., C.E.	8	1 0	100	...	20·72	131	91
d	Woking (Goldsworth Road Depot)		Woking U.D.C.	5	1 0	96	*25·3*	21·56	128	93
D	Byfleet (WISLEY R.H.S. Gardens)		Director	8	1 0	150	24·1	20·01	140	97
d	West Byfleet (County Sec. School)		R. T. Elvidge, Esq.	5	1 0	90	...	20·74	...	...
d	West Byfleet (Scotland Bridge)		Woking U.D.C.	5	1 0	67	...	20·36	...	91
D	Addlestone		W. V. Davies, Esq., C.E.	5	1 7	46	*24·0*	19·73	142	97
D	Weybridge (Oil Mills)		A Whittet & Co. Ltd.	5	1 0	36	*23·7*	19·67	137	92
D	Walton-on-Thames (Waterworks)		West Surrey Water Co.	5	1 4	33	*23·0*	19·54	123	91
	7.—THAMES. Bourne. 55 sq. mi.									
D	West Byfleet (N. Zealand Golf Club)		Secretary	5	1 7	100	...	21·11	152	99
d	Bagshot		J. Waterer, Sons & Crisp, Ltd.	5	0 11	270	...	20·20	...	...
D	Windlesham (Woodside)		A. R. F. Bosman, Esq.	5	0 11	250	...	20·21	120	93
d	Weybridge (Veterinary Laboratory)		Director	5	1 0	56	...	18·56	131	92
D	Weybridge (St. George's College)		Rev. C. K. Bryant	5	1 0	46	...	19·83	126	98
d	Chertsey (Long Cross)		Lord Brabazon of Tara	5	1 6	150	...	19·17	...	...
D	Chertsey		W. V. Davies, Esq., C.E.	8	1 0	42	*23·3*	20·44	146	95
D	Chertsey (Abbey Meads)		J. Dalrymple, Esq., C.E.	5	1 0	53	*23·0*	19·68	129	91
D	Chertsey (Lyne Farm Sew. Wks.)	(+A)	Surrey County Council	5	1 0	93	...	18·81	136	85
D	Egham (Waterworks)		SW Suburban Water Co.	5	1 0	54	...	19·93	128	94
D	Egham (Cooper's Hill)		J. L. Oliver, Esq.	5	0 11	280	...	19·02	123	97
	8.—THAMES. Loddon. 17 sq. mi.									
D	Frimley (Pumping Station)		Mid-Wessex Water Co.	5	1 7	213	...	20·27	134	93
D	Camberley (Sewage Works)	(+A)	Surrey County Council	5	1 0	198	26·4	19·26	122	90
	KENT. (Area, 1,532 sq. mi.)									
	1.—ROTHER & C. 217 sq. mi.									
D	Stone (Huggets Farm)		G. L. Billson, Esq.	5	1 0	140	...	25·96	136	89
D	Dymchurch (Slieve Truim)		D. Hamill Morton, Esq.	5	1 0	9	*24·8*	23·27	130	97
D	Sandhurst (Field Green)		J. L. Tweedie, Esq.	8	1 0	199	...	24·63	137	95
D	Kenardington (The Firs)		Cmdr. F. H. Lyon, D.S.O.	5	1 2	65	...	23·52	150	95
D	Hythe		Borough Surveyor	5	1 1	0	*28·0*	28·04	148	101
d	Hythe (Sandling Park)		Major A. E. Hardy	8	1 0	260	...	28·46	127	102

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	KENT—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ROTHER & C.—(*contd.*)									
D	Bonnington Rectory		D. W. J. Sampson, Esq.	5	1 0	45	...	23·19	150	96
D	Saltwood (Cylinder)		Miss M. Lethbridge	5	1 0	230	...	27·74	136	108
D	FOLKESTONE (The Leas)	(+A)	Borough Engineer	5	1 0	128	*28·6*	24·73	135	101
D	Folkestone (Cherry Garden)		Folkestone W.W. Co.	5	1 6	230	29·1	28·85	138	105
D	Alkham Valley (Lower Standen)		Folkestone W.W. Co.	5	1 0	250	...	27·67	130	104
D	Dover (Waterloo Crescent)		Borough Engineer	5	1 0	19	28·2	23·79	132	103
D	Dover (Buckland)		Guy Mannering, Esq.	8	1 6	50	...	24·63	116	96
D	DOVER (ROYAL MILITARY SCHOOL)		Headmaster	5	1 0	402	...	24·84	131	102
	2.—STOUR & C. 386 sq. mi.									
D	LYMPNE Airport	(+A)	Meteorological Office	5	1 0	346	26·7	24·75	137	97
D	Lyminge (Skeete Pumping Station)		Folkestone W.W. Co.	5	1 6	445	...	27·67	139	102
D	Elham (Ottinge)		S. G. Holmans, Esq.	5	1 9	300	...	28·35	125	98
D	Ashford (Gasworks)		L. G. Kimmins, Esq.	5	1 0	125	...	23·89	129	95
D	Ashford		Headley Bros., Ltd.	5	1 0	190	...	24·48	142	103
D	Ashford (Albert Road)		A. E. Brounger, Esq.	5	1 0	185	...	24·52	141	98
D	Ashford (Belmore)		J. W. Kennard, Esq.	5	1 0	200	...	23·72	124	94
D	Dover (Martin Mill Pump. Station)		W. A. Parker, Esq.	5	1 0	287	...	25·23	124	98
D	WYE (SE. Agricultural College)		Principal	5	1 0	164	...	23·83	124	90
D	Waldershare Park Gardens		Mr. H. W. Garley	8	1 0	250	*33·2*	27·69	132	104
d	Charing (Egerton)		G. L. Wall, Esq.	5	1 0	310	...	21·55	143	92
d	Charing (Pett Place)		J. E. Hosking, Esq.	5	1 0	300	...	25·06	...	93
D	Deal & Walmer Waterworks		W. Mantle, Esq.	5	1 0	110	*28·0*	20·20	124	89
D	Barham (Old House)		L. S. Osmaston, Esq.	5	0 9	175	...	24·28	138	88
D	Barham (Pumping Station)		W. A. Parker, Esq.	5	1 0	173	...	24·29	120	92
D	Nonington (Red Tiles)		C. G. W. Lewis, Esq.	5	1 0	140	...	23·70	132	97
D	Worth (Upton House)		Mrs. Mary Napier	5	1 0	32	*27·7*	25·58	122	101
D	Wingham (Margate Waterworks)		Superintendent	5	1 0	138	*28·7*	23·92	129	94
D	Sandwich (Loop Street)		Borough Surveyor	5	1 0	15	...	20·14	113	86
D	Canterbury (Harbledown)		W. Norris, Esq.	5	1 0	155	...	19·55	109	82
D	Canterbury (London Road)		Miss B. Spillett	5	1 0	66	*28·7*	19·30	135	93
D	Canterbury (Sewage Works)		Manager	5	1 6	15	*27·5*	21·47	137	95
D	Ash (Corking Farm)		R. F. Neame, Esq.	5	1 0	50	...	18·57	119	86
d	Elmstone (Court Farm)		J. B. Henderson, Esq.	5	1 0	28	...	(19·53)	...	...
d	RAMSGATE (East Cliff)		Borough Engineer	8	1 0	80	...	20·57	107	87
D	Broadstairs (Grange Road)		C. Saunders, Esq.	5	1 0	159	...	19·17	135	86
D	Broadstairs (Stone House)		H. Biggs, Esq.	5	1 3	100	...	20·36	131	82
d	MARGATE		Town Clerk	5	1 0	51	22·8	18·89	105	75
	3.—SWALE & C. 167 sq. mi.									
D	THROWLEY (Newlands Farm)		Thomas Neame, Ltd.	5	1 0	493	...	25·63	145	98
d	Selling (Perry Cottage)		F. Ivo Neame, Esq.	5	1 5	320	...	23·71	...	88
D	Selling (Luton)		F. Ivo Neame, Esq.	5	4 9	300	*30·4*	23·95	116	96
D	Sittingbourne (Torry Hill)		D. Leigh Pemberton, Esq.	5	1 0	497	...	23·93	135	97
D	Newnham (Pumping Station)		W. A. Parker, Esq.	5	1 0	107	...	23·34	115	90
D	Faversham (Waterworks)		Engineer and Manager	8	1 0	132	...	19·02	130	83
d	Ospringe (Queen Court)		Shepherd Neame Ltd.	8	1 3	50	...	20·32	...	...
d	Ospringe (Lorenden)		Messrs. G. W. Finn & Sons	5	1 6	175	...	20·72	...	100
D	Sittingbourne (Highsted Waterworks)		Sittingbourne U.D.C.	5	1 7	138	...	20·48	128	94
D	SITTINGBOURNE		Kent Farm Institute	5	1 0	225	...	21·17	115	87
D	Faversham (Sewage Disp. Works)		Engineer and Manager	8	1 0	22	...	20·34	140	92
D	Whitstable (Green Lees)		W. H. Wetherell, Esq.	5	1 0	125	...	21·48	157	90
d	Teynham (Newgardens)		Mrs. Honeyball	5	1 5	30	*24·5*	20·15	...	...

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	KENT—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—SWALE & C.—(*contd.*)								
D	Milton Regis (Sewage Works)	Sittingbourne U.D.C.	5	0 8	8	...	17·60	108	88
D	WHITSTABLE (Westmeads Rec. Grd.)	Urban District Council	5	1 0	9	...	15·70	106	72
	Herne Bay (Waterworks)	J. Roberts, Esq.	5	1 0	125	*22·8*	19·66	...	...
D	HERNE BAY (St. Anne's Home)	Urban District Council	5	1 0	21	...	17·56	121	81
D	Eastchurch (Barnland)	A. A. Beal, Esq.	5	1 0	180	...	17·75	123	83
	4.—MEDWAY. 506 sq. mi.								
D	GOUDHURST (Bedgebury Forest)	Forestry Commission	5	1 0	290	...	24·94	145	99
D	Goudhurst (Bedgebury Park Gdns.)	Mr. E. G. Arnold	5	1 0	280	...	25·71	156	104
d	Scotney Castle	Mrs. C. Hussey	5	2 0	200	...	22·88	...	...
D	Biddenden (Little Whatmans)	W. H. S. Williams, Esq.	5	1 0	200	...	21·26	131	86
D	Cranbrook (Kennel Holt)	Capt. D. S. Hancock	5	1 0	223	...	21·57	140	91
D	TUNBRIDGE WELLS (Calverley Park)	Medical Officer of Health	5	1 0	351	...	23·21	135	97
D	Pembury (Waterworks)	H. P. Bishop, Esq., C.E.	5	1 0	197	...	20·78	130	89
D	Edenbridge (Falconhurst)	Hon. Mr. Justice Talbot	5	1 6	375	30·7	24·58	128	99
D	Edenbridge (Stonewall Park)	Lt.-Col. E. R. Meade-Waldo	5	1 1	344	...	24·57	136	97
D	Penshurst Place	Lord De L'Isle and Dudley	5	1 6	120	...	22·44	142	90
D	Headcorn (Great Tong)	A. E. A. Day, Esq.	5	1 0	110	...	19·67	126	84
D	Hildenborough (Gailes)	E. E. Roper, Esq.	5	1 0	159	27·4	22·95	129	99
	Hildenborough (Old School Cottage)	J. S. Roper, Esq.	5	1 0	270	...	22·96	...	...
d	East Peckham (Woodbine)	W. H. Pearson, Esq.	8	1 0	47	...	18·44	...	...
D	Lenham (Lenham Court)	Major W. T. Pitt	5	0 9	354	...	23·96	138	93
d	Langley (Rumwood Court)	E. G. Boys, Esq.	5	1 9	354	...	20·53	113	93
d	Lenham (Quarry)	Agricultural Contractors Ltd.	5	1 0	554	...	23·88	...	...
d	Lenham	D. F. Tysoe, Esq.	5	1 6	400	...	23·80	134	95
d	Sevenoaks (River Hill)	Major D. M. Rogers	5	1 0	500	30·0	26·14	135	113
D	Maidstone Waterworks (Barming)	C. H. Harden, Esq., C.E.	5	1 4	247	...	21·40	115	91
D	Maidstone (Mill Street)	S. F. Dixon, Esq.	8	6 0	37	...	21·43	154	94
D	Bearsted (Thurnham Pumping Stn.)	W. A. Parker, Esq.	5	1 0	226	...	22·23	151	95
D	Maidstone (Brenchley Gardens)	S. F. Dixon, Esq.	5	0 9	49	...	21·45	120	92
D	WEST MALLING Airfield (+A)	Meteorological Office	5	1 0	309	...	21·60	131	92
D	EAST MALLING (Research Station)	Director	8	1 0	122	26·1	20·94	141	89
D	Maidstone (Boxley Road)	A. O. Mead, Esq.	5	0 10	230	...	20·94	141	84
D	Maidstone (Allington Lock)	Mr. A. H. Reed	5	1 0	20	...	19·77	124	96
D	Aylesford (Forstal Pumping Stn.)	C. H. Harden, Esq., C.E.	5	1 4	20	...	19·69	128	89
D	Trottiscliffe (Pumping Station)	W. A. Parker, Esq.	5	1 8	250	...	23·00	130	94
D	Maidstone W.W. (Boxley)	C. H. Harden, Esq., C.E.	5	1 0	319	...	21·21	126	94
d	Hartlip (Matts Hill Pumping Stn.)	A. E. Watkins, Esq., B.Sc.	5	1 0	225	...	21·20	...	96
D	Chatham (Woolmans Wood)	A. E. Watkins, Esq., B.Sc.	5	3 0	470	...	22·28	122	101
D	Halling (Pumping Station)	W. A. Parker, Esq.	5	1 0	75	...	21·06	113	93
D	Chatham (Nashenden Pumping Stn.)	A. E. Watkins, Esq., B.Sc.	5	0 9	125	...	22·08	122	97
D	Chatham (Luton Waterworks)	A. E. Watkins, Esq., B.Sc.	5	3 0	88	...	20·66	121	94
D	Chatham (Royal Naval Hospital)	S.C.E., Chatham Dockyard	5	1 0	223	...	18·58	117	91
D	Cuxton (Pumping Station)	Cuxton Water Committee	5	1 0	87	...	20·68	132	96
D	Rainham (Motney Hill)	J. B. Harvey, Esq.	5	1 0	28	...	17·53	112	86
D	Strood (Waterworks) (+A)	City Surveyor	5	1 0	112	*22·9*	19·51	124	96
D	Frindsbury (Shornells)	F. J. Talbot, Esq.	5	1 3	50	23·5	20·01	134	98
d	Hoo (Lodge Hill)	S.C.E., Chatham Dockyard	5	1 1	150	...	18·83	...	...
	5.—THAMES. Darent & c. 256 sq. mi.								
d	Westerham Town	Metropolitan Water Board	5	1 0	380	31·6	27·08	...	...
D	Westerham Hill (Pumping Station)	Metropolitan Water Board	5	1 0	539	32·6	26·83	147	117
D	Sundridge (Pumping Station)	Metropolitan Water Board	5	1 0	270	29·2	25·37	133	102

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	KENT—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	5.—THAMES. Darent & c.—(*contd.*)									
w	Sevenoaks (Bayleys Hill Reservoir)	..	E. H. Evans, Esq.	8	1 3	696	...	26·04	...	...
d	Sevenoaks (Oak Lane) ..	..	E. H. Evans, Esq.	8	1 6	428	...	27·03	...	...
d	§Tatsfield (Betsoms Hill) ..	..	Metropolitan Water Board	5	1 0	820	33·1	27·33	...	...
w	Seal (Oak Bank Reservoir) ..	..	E. H. Evans, Esq.	8	1 3	548	...	25·92	...	...
D	Sevenoaks (Cramptons Road P.S.)	..	E. H. Evans, Esq.	8	1 0	222	...	24·67	127	94
d	Seal (Kemsing Pumping Station)	..	E. H. Evans, Esq.	5	1 3	292	...	25·00	...	...
D	Sevenoaks (Chevening Gardens)	..	Head Gardener	5	1 0	350	...	27·49	160	102
d	§Knockholt (Kent Waterworks)	..	Metropolitan Water Board	5	1 0	785	...	29·83	...	...
d	Biggin Hill Airfield	..	Meteorological Office ..	5	1 0	560	...	24·77	...	...
D	Wrotham (Fairseat Manor) ..	..	A. E. D. Anderson, Esq. ..	5	0 11	700	...	25·96	138	108
D	Farnborough (Downe Vicarage)	..	Rev. E. W. E. Fraser, A.K.C.	5	1 0	560	...	27·05	145	110
D	Downe (Down House).. ..	..	Royal College of Surgeons	5	1 1	560	...	27·51	145	108
D	Keston (Keston Court Farm)	..	A. T. Miller, Ltd.	5	1 0	300	...	25·03	142	107
D	Shoreham (Highfield)	..	Sir Herbert B. Cohen, Bart.	5	0 9	650	...	25·13	136	102
D	West Wickham (Pumping Station)	..	Metropolitan Water Board	5	1 0	240	...	23·41	130	104
D	Keston (Westerham Road) ..	..	F. T. Carman, Esq. ..	5	1 0	390	...	23·83	141	94
D	Eynsford (Pumping Station) ..	..	Metropolitan Water Board	5	1 2	131	...	21·65	125	83
w	Farningham (Dunbrae) ..	..	Bertram Grey, Esq. ..	5	1 0	230	...	22·06	...	...
D	Orpington (Kent Waterworks)	..	Metropolitan Water Board	5	0 7	220	...	23·80	142	98
D	Longfield (Hartley)	..	Hartley Water Committee	5	1 0	270	...	20·79	127	91
d	Crockenhill (Wested Farm) ..	..	A. T. Miller, Ltd.	5	1 6	331	...	22·83	...	...
D	Orpington (Chislehurst Road)	..	J. S. Powell, Esq.	5	1 0	272	...	22·11	146	96
D	Cobham (Jeskyns Court) ..	..	Miss D. M. Pye	5	1 6	264	...	20·42	133	89
D	Horton Kirby (Court Lodge)	..	R. W. Rogers, Esq. ..	5	1 9	50	...	18·59	122	81
D	Nurstead (Downs Road Waterworks)		Gravesend& Milton.W.W.Co.	8	1 10	164	...	20·67	131	89
D	BROMLEY	..	Borough Engineer	5	1 0	213	24·2	22·52	139	96
D	Bromley (Bishops Avenue) ..	..	G. H. Franey, Esq. ..	8	1 0	190	...	22·68	155	102
D	Beckenham (Croydon Road) ..	(+A)	Borough Engineer	8	1 0	110	...	22·08	136	98
D	Penge (Recreation Ground) ..	..	Surveyor	5	1 1	122	24·6	21·82	152	114
D	Anerley (Oakfield Road) ..	..	Miss S. Stannard	5	1 5	180	...	22·92	150	102
D	Chislehurst (Scadbury Park) ..	..	Maj. J. Marsham-Townshend	5	1 0	240	24·6	20·87	147	93
D	Bromley (Henville Road) ..	..	W. M. Smith, Esq., M.B.E.	5	0 8	230	...	21·56	148	99
D	Wilmington (Orchard Way) ..	..	L. H. Stone, Esq.	5	1 0	110	...	20·51	126	81
D	WILMINGTON (Glasshouse Dem. Stn.)		Kent Education Committee	5	1 0	212	...	20·06	133	84
D	§Southfleet (Kent Waterworks)	..	Metropolitan Water Board	5	1 0	82	...	18·95	125	88
D	Wilmington (Kent Waterworks)	(+A)	Metropolitan Water Board	5	1 5	25	...	19·98	133	85
D	Dartford (Central Park) ..	(+A)	Borough Engineer	5	1 0	17	...	18·73	126	82
d	Stone (Stone House Hospital)	..	G. Jones, Esq.	5	1 2	115	...	19·23	...	...
D	Bexleyheath (Danson Park) ..	(+A)	Surveyor	5	1 0	164	...	21·57	143	99
d	Dartford (Sewage Works) ..	..	Resident Engineer	5	1 0	14	...	19·21	...	...
D	Erith (Sewage Works)	..	Erith U.D.C.	5	1 0	13	...	19·06	124	92
D	Higham (Waterworks) ..	..	Engineer and Manager ..	8	1 0	141	...	23·84	123	105
d	Erith (Crossness)	..	London County Council ..	5	1 8	26	20·8	17·84	...	81
	SUSSEX. (Area, 1,458 sq. mi.)									
	1.—LAVANT & C. 175 sq. mi.									
D	Sidlesham (Council School) ..	..	Headmaster	5	1 0	15	...	18·64	120	89
D	BOGNOR REGIS (Waterloo Square)	..	Town Clerk	8	1 0	24	25·9	21·03	119	82
	CHICHESTER (BIRDHAM) ..	..	S. A. Searle, Esq.	5	1 0	16	...	21·42	...	...
d	Merston (Abelands)	..	The Hon. Sybil Hood ..	5	0 9	12	28·8	22·20	...	81

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

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	SUSSEX—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—LAVANT & C.—(*contd.*)									
d	Bosham (Cobnor)		Major S. W. P. Beale	5	0 10	12	27·7	23·44	...	82
D	Thorney Island Airfield		Meteorological Office	5	1 0	11	...	21·02	129	85
D	Chidham (Chidmere)		H. L. Baxendale, Esq.	5	1 0	14	27·0	25·44	134	100
d	Chichester (Apuldram)		S. J. K. Eames, Esq.	5	0 10	14	27·9	22·02	...	85
d	Chichester (West Street)		Dr. W. Dick	5	1 0	40	28·3	23·81	...	82
D	Chichester (County Hall)		K. Whale, Esq.	5	1 0	40	29·1	22·91	121	85
D	TANGMERE Airfield	(+A)	Meteorological Office	5	1 0	50	...	21·16	130	87
D	Arundel (West Walberton)		P. A. Bissett, Esq.	5	1 0	90	...	22·67	134	93
D	Chichester (Funtington Pumping Stn.)		A. N. Burgess, Esq.	5	1 0	112	...	26·19	144	99
D	Emsworth (Stansted Park)		The Earl of Bessborough	5	1 1	140	...	25·01	145	90
D	West Dean Park		W. H. Lines, Esq.	5	1 0	190	36·4	29·25	138	104
D	Chilgrove House (Lawn)		Col. C. F. W. Dimond	5	1 0	253	35·0	29·57	125	103
D	Compton (Compton House)		Miss K. B. Langdale	5	1 0	263	36·6	30·14	135	106
	2.—ARUN. 285 sq. mi.									
D	LITTLEHAMPTON (Met. Station)		Clerk to the U.D.C.	5	1 0	19	26·2	22·54	125	87
D	Littlehampton (Court Wick)		J. Vinnicombe & Son, Ltd.	5	0 7	22	...	23·23	121	95
D	Patching (Pumping Station)		Water Engineer, Worthing	8	1 0	118	...	25·78	149	96
D	Arundel Castle		The Duke of Norfolk	5	1 0	106	31·3	23·01	130	95
D	South Harting (Rose Croft)		A. A. Cooper, Esq.	5	1 0	230	...	31·63	144	101
d	Storrington (Greyfriars)		Major J. R. Abbey	5	1 0	250	35·6	27·51	...	92
	Bignor		Major G. B. Hill, O.B.E.	5	1 0	175	37·3	30·34	...	...
D	Pulborough (Parham)		R. E. Whitaker, Esq.	5	1 6	98	33·6	25·23	134	95
D	Sutton (Hurst Cottage)		A. B. Boxall, Esq.	5	4 0	200	...	28·36	148	110
D	Pulborough (Bignor Park)		The Viscountess Mersey	5	1 3	75	...	29·94	156	111
D	Petworth (Barlavington Farm)		J. A. G. Bragg, Esq.	5	0 9	181	...	29·84	126	107
D	Pulborough (Codmore Hill)		A. Newnham, Esq.	5	1 0	165	32·0	24·07	147	100
D	Byworth (Edgehill)		W. H. Boniface, Esq.	5	1 0	100	...	28·11	146	99
D	Midhurst (June Lane)		R. Amoore, Esq.	5	1 0	135	...	27·76	145	95
D	Petworth Park Gardens		Lord Leconfield	5	1 0	250	33·1	27·77	131	95
D	Rogate (Fyning)		H. W. A. Bodkin, Esq.	5	1 0	230	31·2	26·32	149	98
D	FERNHURST (Research Station)		Plant Protection Ltd.	8	1 0	229	...	26·21	146	95
d	Kirdford (Hills Green)		L. Baker, Esq.	5	1 0	150	27·8	22·09	...	87
D	Liss (Clayton Court)		Head Gardener	5	1 0	480	35·2	30·13	157	102
d	Horsham (Whites Bridge)		NW. Sussex Water Board	5	1 0	157	30·9	25·69	139	98
D	Horsham (Sewage Disposal Works)		J. P. Ridd, Esq., B.Sc., C.E.	8	1 0	120	29·3	22·55	141	93
	Horsham (Rushams Road)		A. H. Wickersham, Esq.	5	1 0	140	...	24·11	...	...
D	Horsham (Windyridge)		R. A. West, Esq.	5	1 0	260	...	24·02	139	105
D	Horsham (North Parade)		G. N. Slyfield, Esq.	5	1 0	166	...	23·94	146	101
D	Rudgwick (Swaynes)		S. D. Secretan, Esq., J.P.	5	0 11	121	26·7	23·20	157	96
D	Rusper (The Nunnery)		Sir Cecil Hurst, G.C.M.G.	5	1 6	260	30·8	26·35	156	106
	3.—ADUR & C. 237 sq. mi.									
D	WORTHING (Beach House Park)	(+A)	Medical Officer of Health	8	1 0	25	27·5	24·32	124	83
D	Worthing (Ferring)		Dr. L. S. F. Woodhead	5	1 0	26	...	22·44	145	88
d	Goring-by-Sea (Highdown Tower)		Col. F. C. Stern	5	0 9	100	...	21·86	...	...
D	Brighton (Ovingdean)		L. H. B. Woodhead, Esq.	8	1 0	161	...	22·01	135	87
D	BRIGHTON (Old Steyne)		F. N. Green, Esq., C.E.	5	1 0	32	28·1	22·06	127	87
D	Southwick (Watling Road)		E. C. Smith, Esq.	5	1 0	18	...	24·74	142	97
D	Hove (Goldstone Crescent)		Guy Michell, Esq.	5	0 8	150	...	27·48	135	101
D	Brighton WW. (Goldstone Bottom).		F. N. Green Esq., C.E.	8	1 0	142	...	24·83	143	96

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SUSSEX—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—ADUR & C.—(*contd.*)								
D	Brighton W.W. (Lewes Road)	F. N. Green, Esq., C.E.	5	3 8	139	29·9	24·04	143	95
D	Brighton W.W. (Shoreham)	F. N. Green, Esq., C.E.	8	1 8	9	29·2	26·59	139	94
D	Brighton W.W. (Mile Oak)	F. N. Green, Esq., C.E.	8	1 0	166	...	26·53	148	96
D	Brighton W.W. (Race Hill Reservoir)	F. N. Green, Esq., C.E.	8	1 0	456	31·6	27·57	150	104
D	§Brighton W.W. (Balsdean Reservoir)	F. N. Green, Esq., C.E.	5	1 0	399	...	24·59	131	92
D	Brighton W.W. (Balsdean Pumping Stn.)	F. N. Green, Esq., C.E.	5	1 0	188	...	23·62	131	91
D	Brighton W.W. (Falmer)	F. N. Green, Esq., C.E.	8	1 0	200	32·1	26·93	141	98
D	Findon (North End)	Mrs. B. H. Madge	5	1 0	211	...	27·56	140	98
D	Findon (Steep Lane)	T. G. Judge, Esq.	8	3 0	200	...	25·54	129	100
D	Brighton W.W. (Patcham)	F. N. Green, Esq., C.E.	5	1 0	205	31·8	27·15	138	92
D	Hassocks (Newtimber Place)	The Countess Buxton	5	0 8	100	...	26·53	122	85
d	Hassocks (The Croft)	Miss M. J. Taylor	5	1 0	200	35·6	27·08	(142)	(94)
D	Henfield (Townmead)	Miss H. Dixon Brown	5	1 0	100	31·7	25·76	119	93
D	Hurstpierpoint (Brundall)	R. E. Toombs, Esq.	5	1 0	140	...	25·69	133	93
D	West Grinstead (Knepp Castle Gdns.)	Capt. W. R. Burrell	5	3 6	50	...	26·02	151	101
D	Horsham (Sedgewick Park)	Rt. Hon. Lord Rotherwick	5	1 0	280	...	25·09	137	96
D	Slinfold (Elmhurst Farm)	Elmhurst Fmg. & Trdg. Co.	5	0 10	200	...	26·95	133	99
	4.—OUSE. 224 sq. mi.								
D	Seaford (Newlands)	Capt. T. Manning, C.B.E.	5	1 0	150	28·6	21·53	117	90
D	SEAFORD	Surveyor	5	1 0	45	...	20·27	118	86
D	Newhaven (Poverty Bottom W.W.)	F. B. Lumsden, Esq.	8	2 6	48	28·8	21·41	136	85
D	Lewes Waterworks (Kingston)	Borough Water Engineer	8	1 3	11	34·6	27·43	135	99
D	Lewes (The Avenue)	R. Shanks, Esq.	5	1 0	130	...	25·38	125	92
d	Piltdown (Moses Farm)	J. E. Archard, Esq.	5	1 8	150	30·2	25·56	...	...
d	Uckfield (County Sec. School)	H. F. Pearmain, Esq., M.A.	5	1 6	157	...	25·50	...	...
d	Piltdown (Ringwood)	Capt. Stanley Pott	5	1 3	120	...	23·37	...	...
D	Haywards Heath (Abbots Leigh)	C. Hales, Esq., J.P.	5	1 0	250	...	26·83	140	104
D	Haywards Heath (Paddockhall Road)	Chas. Holman, Esq.	5	1 0	260	...	28·29	156	103
d	Fletching (Wilmhurst)	H. H. W. Boyes, Esq.	5	0 8	290	...	29·11	...	100
D	Horsted Keynes (Holy Well P.S.)	W. H. Ashmole, Esq.	8	1 8	124	31·5	26·91	144	99
D	Horsted Keynes (Cinder Hill)	L. A. Wood, Esq.	5	1 0	300	...	27·42	149	97
D	Horsted Keynes (Birch Grove)	Miss Fyfe	5	1 0	400	31·4	29·14	164	100
D	Balcombe (Lullings)	Mrs. M. Holland	5	1 0	348	34·8	32·17	161	111
D	Balcombe (Waterworks)	W. H. Ashmole, Esq.	8	1 0	467	33·9	29·10	148	102
D	Balcombe (Highley Manor)	Mr. B. T. Brooks	8	1 6	420	34·2	33·02	169	118
	5.—CUCKMERE & C. 189 sq. mi.								
D	EASTBOURNE (Wilmington Square)	Medical Officer of Health	5	1 0	20	30·7	22·42	136	90
D	EASTBOURNE (Coastguard Station)	Station Officer, for M.O.	5	1 0	17	...	23·02	132	97
D	Eastbourne (Summerdown Road)	A. C. Fraser, Esq.	5	1 0	122	...	22·92	128	90
D	Friston (Water Tower)	Eastbourne Waterworks	5	1 0	389	...	23·68	143	95
D	Friston	Eastbourne Waterworks	8	1 0	104	*30·8*	23·62	153	101
D	Jevington	Eastbourne Waterworks	8	1 0	274	*31·7*	24·05	151	99
D	Litlington	Eastbourne Waterworks	8	1 0	19	*30·5*	22·51	131	88
D	Willingdon (Hampden Park)	R. G. Lorton, Esq.	5	1 0	30	...	23·81	147	93
D	Pevensey (Pumping Station)	Hailsham R.D.C.	5	1 0	12	*27·0*	21·40	114	88
D	Pevensey Bay (Pumping Station)	Hailsham R.D.C.	5	1 0	7	*27·0*	21·11	110	90
D	Polegate (Sewage Works)	Hailsham R.D.C.	5	1 0	26	...	24·91	148	100
D	POLEGATE (Winfield Farm) (+A)	A. E. Moon, Esq.	5	1 0	35	...	24·64	148	87
d	Hailsham (Michelham Priory)	F. G. H. Storey, Esq., M.A.	5	1 0	45	...	23·93	...	82

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SUSSEX—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—CUCKMERE & C.—(*contd.*)									
D	Bexhill (Pebsham Lane)		Mrs. C. A. Bishop	5	1 0	40	...	21·62	138	90
D	BEXHILL (Egerton Park)	(+A)	Bor. Council (H. J. Sargent)	8	1 0	12	26·3	22·06	131	94
D	HASTINGS (White Rock)		Town Clerk	5	1 0	149	28·7	21·83	131	87
D	St. Leonards (Filsham Waterworks)		Water Engineer (Hastings)	5	1 0	37	27·3	22·75	128	95
D	Hailsham (Magham Down)		E. M. Bear, Esq.	5	1 0	90	28·4	23·61	132	88
d	Hellingly (Amberstone)		Eastbourne Waterworks	5	1 2	29	...	22·45	...	82
D	Hellingly (Hospital)		Medical Superintendent	5	0 7	140	...	23·98	136	96
D	Hazards Green (Pumping Station)		Bexhill Waterworks	5	1 7	74	26·0	20·83	133	85
D	Hastings (Newgate)		Water Engineer	8	1 0	243	27·5	22·69	127	84
D	Hastings (Clive Vale)		Miss K. Moon	5	1 0	328	28·4	25·94	138	92
D	Hastings (Halton Reservoir)		Water Engineer	5	1 0	294	28·6	23·64	126	90
D	St. Leonards (Ashbrooke Lodge)		N. Lang-Smith, Esq.	8	1 0	230	...	24·18	137	94
d	Battle (Crowhurst Park)		Mr. H. Thompsett	8	1 0	440	...	26·12	...	...
D	Cowbeech (Pumping Station)		Bexhill Waterworks	5	1 7	100	...	23·40	136	87
D	Horam (Coxlow)		Major E. Harrison	5	1 3	250	29·7	25·05	130	99
D	Heathfield (Birchford Farm)		Mrs. D. Hook	5	1 0	358	...	28·00	142	105
D	Heathfield (Cross-in-Hand)		C. Birnstingl, Esq.	5	1 0	305	...	29·29	152	109
	6.—ROTHER. 194 sq. mi.									
D	Icklesham		Kent River Board	8	1 6	150	...	24·82	131	91
D	Hastings (Fairlight Reservoir)		Water Engineer	5	1 0	513	*29·3*	25·15	131	95
D	Hastings (Fairlight, Machico)		E. J. Watts, Esq.	5	1 0	100	*27·6*	22·28	120	91
D	Battle (Oakhurst Road)		A. G. Culmer, Esq.	5	1 6	275	...	24·04	143	99
D	Brede (Pumping Station)		Water Engineer (Hastings)	5	1 0	26	28·3	24·74	140	101
D	SEDLESCOMBE Rectory		Rev. G. N. Martin	5	1 0	188	...	25·27	142	96
D	Udimore (The Wick)		Major R. P. Mair	8	1 0	92	*28·9*	25·09	123	91
D	Rye (Midrips)		Kent River Board	8	1 0	15	...	20·40	135	86
d	Playden (Scots Float)		Kent River Board	5	0 10	14	...	24·30	...	97
D	Brightling Park		Late T. P. Tew, Esq.	5	1 0	545	34·1	29·71	158	107
D	Brightling (Bleak House)		T. W. C. Terry, Esq.	5	1 0	550	...	28·86	158	105
d	Robertsbridge (Darvell Hall San.)		Medical Superintendent	5	3 0	100	29·1	27·41	...	94
D	Burwash (Burnt House Farm)		Capt. F. S. Gregory	5	1 0	350	...	30·03	118	107
D	Burwash (Bateman's)		C. W. Parish, Esq.	5	1 0	50	...	29·32	142	98
D	Iden (Havencroft)		J. N. Baker, Esq.	5	0 10	134	...	26·30	143	100
D	Rye (Iden)		Admiral Sir Aubrey Smith	5	1 0	150	...	22·98	121	91
D	Hawkhurst (BODIAM)		A. Guinness, Son & Co.,Ltd.	5	1 0	71	...	26·70	145	90
D	Hurst Green (Bellhurst Farm)		C. C. Langer, Esq.	5	1 0	275	...	25·53	143	96
D	Northiam (Great Dixter)		Mrs. Lloyd	5	1 0	209	29·5	26·12	155	95
D	Burwash (Crowhurst Bridge)		Heathfield Dist. Water Co.	5	0 11	97	...	24·62	142	99
d	Mayfield (Cranesden)		Sir Frederick Godber	5	1 0	345	...	26·04	...	97
D	Wadhurst (Stonegate)		W. J. Wheeler, Esq.	5	1 0	230	32·6	26·69	160	106
	7.—MEDWAY. 117 sq. mi.									
D	Rotherfield (Horsegrove Farm)		F. W. Shaw, Esq.	5	1 0	528	35·3	28·28	157	107
D	Crowborough (Jarvis Brook)		Crowborough Water Co.	5	1 0	325	35·0	28·80	151	112
D	Jarivs Brook (Salters)		Gp. Capt. J. Hunnard	5	1 6	400	...	27·20	160	105
d	Crowborough (The Beacon)		A. R. Allcroft, Esq.	5	1 0	796	36·7	30·02	...	121
D	Tunbridge Wells (Cousley Wood)		A. Wilkin, Esq.	5	1 0	415	...	25·59	162	122
D	Hartfield (Beechcroft)		Miss C. H. Foyster	5	1 0	370	34·5	30·12	179	109
D	Forest Row (Rystcot)		Mrs. J. E. Brown	5	1 0	200	...	30·30	150	108
D	West Hoathly (Duckyls)		Mrs. Craven Moore	5	1 0	600	...	31·79	147	118
D	Forest Row (Park Road)		J. R. Coulthard, Esq.	5	3 0	300	...	32·24	139	110

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SUSSEX—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—MEDWAY—(*contd.*)								
d	East Grinstead (Standen)	Miss H. M. Beale	5	0 7	450	...	27·23	...	101
D	Frant (Henley Gardens)	Mrs. Benskin	5	1 0	440	32·2	25·49	141	98
d	Frant (Eridge Castle)	Mr. P. M. Ward	5	1 0	400	34·3	26·61	...	103
D	Crawley Down (Grange Hill)	Miss L. T. A. Buckley	5	1 0	450	32·7	29·03	143	101
	8.—THAMES. Mole. 27 sq. mi.								
D	Crawley (Broadfield) (+A)	A. J. W. McIntosh, Esq.	5	1 0	300	...	28·28	153	102
D	Worth (Worth Lodge)	Miss M. C. Nix	5	1 0	340	31·6	29·53	194	111
D	Crawley (County Oak Sew. Wks.) (+A)	A. J. W. McIntosh, Esq.	5	1 0	210	...	26·34	139	101
D	Crawley (The Beeches)	M. Longley, Esq.	8	1 0	220	31·2	27·95	148	101
	9.—THAMES. Wey. 10 sq. mi.								
	HAMPSHIRE. (Area, 1,627 sq. mi.)								
	1.—ISLE OF WIGHT. 150 sq. mi.								
D	St. Catherine's Point (Lighthouse)	Trinity House, for M.O.	5	1 0	51	*27·8*	19·95	125	88
D	Ventnor (St. Lawrence)	Fraser Parkes, Esq.	5	0 9	100	...	21·87	122	88
D	Ventnor (Steephill Cove)	C. W. Lale, Esq.	5	1 0	8	...	20·30	137	92
D	Ventnor Park	Surveyor	5	1 0	445	29·5	22·19	129	93
D	Shanklin (Victoria Avenue)	Isle of Wight Water Board	5	1 0	170	...	24·79	133	95
D	Shanklin	Sandown & Shanklin U.D.C.	5	1 0	180	...	24·68	144	91
D	Brighstone (Pitt Place Cottage)	Mr. J. Higgins	5	1 8	500	*27·7*	19·16	135	87
D	Chillerton (Waterworks)	Isle of Wight Water Board	8	1 2	125	...	25·46	140	104
D	Sandown (Sandham Gardens)	Sandown & Shanklin U.D.C.	5	1 0	13	*30·9*	20·92	119	85
D	Sandown (Pumping Station)	Isle of Wight Water Board	5	1 0	60	...	22·61	130	87
D	The Needles Golf Club	Mrs. G. E. Newnham	5	1 0	340	*27·5*	24·56	133	101
D	Freshwater (Waterworks)	Isle of Wight Water Board	8	0 10	9	...	22·86	134	91
D	Freshwater (Pumping Station)	Engineer in Charge	8	1 3	5	*28·8*	23·25	132	99
D	Freshwater (West Wight School)	Headmaster	8	1 0	40	...	22·86	137	91
D	Knighton (Waterworks)	Isle of Wight Water Board	5	0 10	100	...	23·90	120	97
D	Newport (Recreation Ground)	Borough Engineer	5	1 0	60	*32·9*	20·81	127	88
D	Ryde (Esplanade Gardens)	Borough Publicity Dept.	5	1 0	13	*29·0*	22·95	136	91
D	§Cowes Waterworks (Broadfields)	Isle of Wight Water Board	5	1 0	150	*29·8*	25·94	139	92
D	Osborne	House Governor	5	1 0	177	32·7	28·12	149	87
	2.—STOUR. 37 sq. mi.								
D	Bournemouth (Rothesay Road)	Dr. D. N. Seth-Smith	5	0 8	180	...	23·02	141	105
D	Bournemouth (East Avenue)	J. E. Hewitt, Esq.	5	1 0	143	*28·6*	23·52	127	105
D	Christchurch (Air Compressor Stn.)	Borough Surveyor	5	1 3	0	...	19·85	125	88
	Christchurch (Hurn Court)	The Earl of Malmesbury	8	1 2	23	...	22·44	...	...
	3.—EAST AVON & C. 114 sq. mi.								
D	Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	1 0	135	*31·3*	24·36	155	99
D	Ringwood (Bisterne)	Major J. D. Mills	8	1 2	45	*30·9*	26·93	126	105
D	Ringwood (Hangersley)	Col. E. G. St. Aubyn, D.S.O.	5	0 9	200	...	23·99	153	103
D	Ringwood (Hightown)	Miss M. A. M. Penrose, B.Sc.	8	1 0	250	...	24·70	149	101
D	Ringwood (Grey Friars)	Miss H. Christy	5	1 0	50	*28·4*	24·16	145	97
D	Ringwood (Linwood)	Miss R. M. Haines	5	0 9	138	*32·0*	29·77	170	112
d	Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1 0	140	31·1	26·01	134	87
D	Fordingbridge (Furze Hill)	G. G. Smith, Esq.	5	0 5	150	...	31·25	138	121

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	HAMPSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	4.—TEST & SOLENT. 551 sq. mi.								
D	Milford-on-Sea (Farlights)	Mrs. F. W. Brown	5	1	0 50	...	23·80	148	95
D	Milford-on-Sea (Manor Road)	Miss M. B. Clark	5	0	11 56	...	23·08	138	93
d	Lymington (Stanley Road)	E. A. Robins, Esq.	5	1	0 5	...	24·25	...	...
D	Lymington (Waterford)	G. Froome, Esq.	5	1	0 6	...	22·64	138	90
D	New Milton (Ashley County School)	Headmaster	5	0	8 104	*30·7*	23·59	128	94
	Sway (Little Flanders)	Rev. C. F. Ford	5	1	0 120	...	29·96	...	...
d	Lymington	Borough Engineer	5	1	0 57	...	25·31	117	88
d	Holmsley (Toll House)	Forestry Commission	5	1	0 212	...	29·35	...	...
D	Exbury	L. N. de Rothschild, Esq.	5	1	0 80	*29·2*	23·58	125	83
D	Brockenhurst (County School)	Headmaster	5	1	0 43	...	25·43	131	84
D	Burley (Anderwood Cottage)	Forestry Commission	5	1	0 135	...	26·54	157	102
D	Hythe (Butts Ash Lane)	Miss J. M. Baker	5	1	0 130	*30·6*	28·00	175	107
d	Bartley (The Nurseries)	W. H. Mundy, Esq.	5	1	0 100	*32·0*	30·02	...	101
D	SOUTHAMPTON (East Park)	Director, Ordnance Survey	5	1	0 64	30·9	27·52	148	101
D	Southampton (Regents Park)	D. J. P. Kendall, Esq.	5	1	0 60	...	25·80	139	95
D	Romsey (Embley Gardens)	A. White, Esq.	5	1	0 130	*30·3*	26·61	151	103
D	Romsey (Timsbury Pumping Station)	J. Hawksley, Esq., O.B.E.	5	1	0 99	29·8	23·34	139	95
D	Hursley (Merdon Manor)	Sir George Cooper, Bart.	5	1	0 360	...	27·64	149	111
D	Sparsholt (Garstons)	Mrs. Simpson	5	1	3 350	...	27·54	161	113
D	Stockbridge (Houghton Lodge)	Col. R. C. O. Parker, O.B.E.	5	1	0 112	*30·5*	23·25	147	108
	Stockbridge (Houghton Down Farm)	Rev. N. A. S. Tupholme	5	0	6 195	...	22·43	...	...
D	Crawley (Chilbolton Down)	G. W. S. Beale, Esq.	8	1	2 350	*31·0*	23·52	147	110
D	Stockbridge (LECKFORD Estate)	General Manager	5	1	0 385	...	22·00	133	94
D	Sutton Scotney (Wonston Manor)	J. H. Gray, Esq.	5	1	0 233	...	22·73	157	95
D	Andover (Sewage Works)	Borough Surveyor	8	1	0 180	*28·9*	24·98	151	117
D	Andover (Waterworks)	Borough Surveyor	8	1	0 205	...	23·71	139	92
d	Overton	Portals Ltd.	5	1	0 240	...	24·86	147	110
D	St. Mary Bourne (Bournside)	Mrs. H. F. M. Boys, B.Sc.	5	1	1 300	*29·4*	24·28	157	106
D	Worting (Manydown Park)	Col. A. S. Bates, D.S.O.	5	1	0 415	*30·2*	26·24	144	104
D	Whitchurch (Dunley Manor)	Sir Alfred Herbert	5	1	0 500	*30·8*	26·66	153	116
D	Linkenholt Manor	R. Dudley, Esq.	5	1	0 700	*32·5*	28·69	135	118
	5.—ITCHEN & SPITHEAD. 422 sq. mi.								
D	South Hayling (Loridge)	D. S. Bird, Esq.	5	0	10 10	...	20·67	112	78
D	Gosport	Borough Surveyor	8	0	9 30	*28·8*	22·73	139	92
D	PORTSMOUTH (Southsea Common)	Medical Officer of Health	5	1	0 7	27·7	19·72	125	83
D	Portsmouth (Eastney)	City Engineer	8	1	0 12	*25·3*	19·55	126	82
d	South Hayling (County School)	A. J. Earny, Esq.	5	1	6 10	...	20·06	...	...
D	Farlington (Pumping Station)	Portsmouth Water Co.	5	1	0 78	*28·5*	24·36	145	91
D	Farlington Reservoirs	Portsmouth Water Co.	5	1	0 117	...	24·11	146	91
D	Farlington (Filter Works)	Portsmouth Water Co.	5	1	0 157	*27·9*	23·72	139	89
D	Havant (Portsmouth Waterworks)	Portsmouth Water Co.	5	1	0 25	*27·2*	24·15	135	93
D	Fareham (West Street)	N. E. Neville, Esq.	5	1	0 41	...	24·16	139	94
d	Fareham (Maindell Waterworks)	Engineer & Surveyor	8	1	6 36	...	25·53	191	99
	Southwick (Pinsley Lodge)	Portsmouth Water Co.	5	1	0 150	*29·6*	24·91	...	...
d	Woolston Depot	Engineer and Surveyor	5	5	8 13	*30·0*	25·71	128	94
	Idsworth (Water Tower)	Portsmouth Water Co.	5	1	0 202	*31·0*	26·03	...	...
d	Idsworth (Quarry)	Agricultural Contractors Ltd.	5	1	0 320	...	27·96	...	...
	Southwick (Upper Beckford Farm)	Portsmouth Water Co.	5	1	0 112	*30·8*	25·63	...	...
D	Southampton (Bitterne Park)	W. E. White, Esq.	5	1	0 25	...	26·87	140	101
D	Southampton (Portswood)	Borough Engineer	5	1	10 10	*29·7*	27·11	145	94
D	Southampton (South Hill Reservoir)	J. Hawksley, Esq., O.B.E.	5	1	0 200	30·8	26·31	133	98
D	SOUTHAMPTON (EASTLEIGH)	Meteorological Office	5	1	0 35	...	23·22	134	78
d	Botley (Uplands Farm)	P. A. Yates, Esq.	5	1	0 60	*31·5*	25·90	...	...
D	Curdridge (Sunnyside)	Miss V. F. Cooke	5	0	9 95	*30·7*	27·45	183	109
	Catherington Reservoir	Portsmouth Water Co.	5	1	0 428	*34·2*	27·98	...	...

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	HAMPSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—ITCHEN & SPITHEAD—(*contd.*)								
D	Swanmore (Holywell House)	Mrs. M. Portal	5	1 6	180	*32·2*	26·35	130	103
	Hambledon (Whitedale)	Portsmouth Water Co.	5	1 0	223	*34·0*	25·13	...	...
d	Soberton (Mislingford)	Gosport Waterworks Co.	5	1 0	136	*31·7*	26·50	148	98
D	Droxford (Upper Swanmore)	H. Gadsby, Esq.	5	1 0	312	...	29·82	156	119
D	Bishops Waltham (Wintershill Hall)	Mr. E. A. Roberts	5	1 0	300	...	27·95	146	97
D	Petersfield (Ditcham Park)	Portsmouth Water Co.	8	1 0	555	...	32·20	141	111
D	Otterbourne (Kingfisher Lodge)	Major T. T. Phelps	5	0 10	80	...	28·23	161	106
D	Otterbourne (Waterworks)	J. Hawksley, Esq., O.B.E.	5	1 0	113	30·7	29·85	179	120
D	Twyford (Pumping Station)	J. Hawksley, Esq., O.B.E.	5	1 0	139	31·1	28·06	153	104
D	WINCHESTER (Recreation Ground)	Medical Officer of Health	5	1 0	121	...	25·30	129	97
D	Winchester (Romsey Road W.W.)	City Water Engineer	5	2 0	270	...	25·33	144	104
D	Winchester (Bereweeke Road)	J. L. St. John, Esq.	5	1 0	225	...	25·52	161	96
D	Winchester (Christ Church Road)	F. E. Box, Esq.	8	1 0	180	...	26·57	166	106
D	Winchester (Beaconsfield House)	F. B. Heathcote Wride, Esq.	8	1 6	228	...	26·42	162	117
D	Ovington Rectory	Rev. H. L. Atkins	5	1 0	221	33·2	28·75	152	104
D	Bishop's Sutton	H. C. Mills, Esq.	5	1 0	260	...	26·54	166	113
D	Itchen Abbas (Chilland)	W. J. Arnold, Esq.	5	1 6	200	*30·5*	25·54	149	105
D	Itchen Abbas (Barn Close)	Mrs. H. F. Rawstorne	5	1 0	200	...	25·51	169	99
D	Ellisfield Manor	H. Hoare, Esq.	5	1 0	635	...	25·92	155	102
D	Alresford (Lower Lanham)	C. H. Hayter, Esq.	5	1 0	400	...	26·68	175	111
	6.—ARUN. 82 sq. mi.								
d	Petersfield (Oaklea)	W. Bennetts, Esq.	5	0 10	235	...	30·08	151	96
d	Liss (Kippences)	Rev. W. L. de B. Thorold	5	0 9	250	*33·3*	27·69	...	93
	Greatham (Manor House)	Capt. A. F. Coryton, J.P.	5	1 0	260	*32·5*	24·49	...	...
	7.—THAMES. Wey. 92 sq. mi.								
D	East Tisted (Rotherfield Park)	Col. J. B. Scott	5	1 0	555	*37·1*	30·92	133	107
D	Alton (Treloar Orthopaedic Hospital)	Secretary	5	1 6	350	...	24·62	142	105
D	Kingsley (Sleaford)	M. Nimmo, Esq.	5	1 0	220	...	23·17	157	94
D	Alton (Waterworks)	Engineer and Surveyor	5	1 0	440	...	25·77	160	107
d	Alice Holt Forest	Forestry Commission	8	1 0	250	*30·0*	22·54	...	...
D	ALICE HOLT LODGE	Forest Research Station	5	1 0	378	...	23·89	142	97
	8.—THAMES. Loddon. 164 sq. mi.								
w	Swainshill	Mid-Wessex Water Co.	5	1 7	550	*30·5*	24·64	...	...
D	LONG SUTTON	Lord Wandsworth College	5	1 0	479	*28·2*	23·17	128	93
D	Basingstoke (Upton Grey House)	Mr. H. W. Kinge	5	1 0	400	*27·7*	21·99	150	103
D	Aldershot (Waterworks)	Mid-Wessex Water Co.	5	1 0	251	*27·0*	22·29	142	97
D	Aldershot Reservoirs	Mid-Wessex Water Co.	5	1 0	393	*27·2*	22·25	148	96
D	Odiham (Sewage Works)	Hartley Wintney R.D.C.	5	0 10	240	*26·5*	18·88	122	82
D	Greywell (Pumping Station)	Mid-Wessex Water Co.	5	1 0	263	*26·3*	21·27	156	94
D	Basingstoke (Chequers Road)	N. R. Grover, Esq.	5	1 0	270	...	22·70	127	102
D	Hook (Nately Hatch)	R. C. Mallock, Esq.	5	1 0	328	*26·7*	21·86	143	95
D	Fleet (King's Road)	A. C. Allen, Esq.	8	1 0	230	...	22·93	139	100
d	Fleet (Quillets)	S. H. Langton, Esq.	5	1 0	300	...	20·25	...	...
d	Hartley Wintney (Warren Heath)	Hartley Wintney R.D.C.	5	1 0	226	*25·8*	20·57	...	86
D	Hartley Wintney (S.D. Works)	Hartley Wintney R.D.C.	5	1 0	180	...	21·21	145	93
D	SOUTH FARNBOROUGH (R.A.E.) (+A)	Meteorological Office	8	1 0	226	26·1	20·14	138	91
d	Winchfield (Elvetham Park)	Mr. T. J. Brownjohn	8	1 0	217	*26·8*	19·99	...	82
D	Heckfield (Park Corner)	Mr. W. Smith	5	1 2	257	24·6	22·61	170	110
	9.—THAMES. Kennet. 65 sq. mi.								
D	Kingsclere (Isle Hill)	C. E. Harvard, Esq.	5	1 6	500	...	27·98	168	114
D	Highclere (Horris Hill)	T. F. H. Morton, Esq.	5	1 0	390	...	25·50	159	113
D	Kingsclere (N. Sydmonton House)	Lt.-Col. Kingsmill, D.S.O.	5	1 2	350	...	23·79	135	93
d	Silchester House	T. M. Hartley, Esq.	5	1 0	305	*25·0*	20·06	...	...

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	BERKSHIRE. (Area, 722 sq. mi.)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—TEST. 2 sq. mi.								
	2.—THAMES. Bourne. 15 sq. mi.								
D	Sunninghill (Blacknest Pumping Station)	Surveyor, Windsor R.D.C.	8	1	130	26·0	20·78	139	87
	3.—THAMES. Loddon & c. 162 sq. mi.								
d	Wellington College	R. Moss, Esq., M.A., B.Sc.	5	1	290	26·4	19·45	...	81
D	Beech Hill (Waveney)	Miss D. Page-Roberts	5	1	220	...	20·20	133	92
d	Broadmoor Institution	Medical Superintendent	5	1	300	27·6	19·04	...	86
D	Wokingham (Bucks Copse)	Borough Surveyor	5	1	174	...	20·56	149	90
d	Wokingham (Bearwood Gardens)	Head Gardener	8	1	163	...	20·81	...	...
D	Wokingham (Sindlesham House)	Mr. W. Balcombe	5	4	200	25·4	20·96	127	101
D	Wokingham (Reading Road)	P. Chandler, Esq.	5	1	182	...	20·15	146	90
D	Wokingham (Winnerish Nursery)	J. T. Adams, Esq.	5	1	180	...	18·11	122	82
D	Earley (Wokingham Road)	W. Bates, Esq.	5	1	150	...	19·10	142	87
D	Warfield (Jealott's Hill)	Imperial Chem. Ind., Ltd.	5	1	220	25·8	20·38	148	95
D	READING (SEED TRIAL GROUNDS)	Martin A. F. Sutton, Esq.	5	1	141	...	19·12	103	85
D	Old Windsor (Straight Road)	J. W. E. Bye, Esq.	5	1	59	...	17·93	138	88
D	Twyford (Beenham's Heath)	Mid-Wessex Water Co.	5	1	139	...	19·97	150	89
D	Windsor (Bolton Road)	B. B. Summers, Esq.	5	1	80	...	19·36	143	88
D	Windsor (Royal Gardens)	Head Gardener	5	1	88	24·9	18·52	133	78
D	Twyford (Hare Hatch)	J. Waterer, Sons & Crisp, Ltd.	5	1	180	...	23·22	143	118
d	Wargrave (Piggott School)	Clement C. Bush, Esq.	5	1	124	...	19·69	...	...
D	Wargrave (The Thatched House)	Mrs. E. Sharp	5	1	200	...	22·23	182	96
D	Maidenhead (Shopperhangers Rd.)	G. Stow, Esq.	5	1	180	...	18·32	131	91
D	Maidenhead (Sewage Works) (+A)	Borough Engineer	5	1	81	...	18·62	144	91
D	Maidenhead (Boulter's Lock)	Thames Conservancy	5	1	82	...	20·25	159	93
D	Hambledon Lock	Mr. T. E. Wise	5	2	105	27·0	22·65	142	107
	4.—THAMES. Kennet & c. 224 sq. mi.								
D	HURLEY (Hall Place Farm)	Min. of Agric. & Fisheries	5	0	296	...	19·98	144	88
D	Inkpen (New Mill)	G. C. Goodhart, Esq.	5	1	485	32·5	25·96	174	112
D	Mortimer (Grazeley Green)	P. L. d'E. Skipwith, Esq.	5	1	200	26·1	21·54	134	93
d	Brimpton (Stonehouse)	F. L. Hadden, Esq.	5	1	350	27·5	(22·95)	(120)	(102)
D	Kintbury (Sewage Works)	C. S. Drummond, Esq.	5	1	310	...	24·26	163	108
D	Hungerford Park	Mrs. A. G. Turner	5	0	400	...	23·90	146	107
D	Newbury (Gloucester Road)	L. Giles, Esq.	5	2	250	...	24·45	157	112
D	SHINFIELD (University Hort. Farm)	Prof. R. H. Stoughton, D.Sc.	5	1	200	...	21·13	141	93
D	WOOLHAMPTON (Douai Abbey)	The Abbot	5	1	370	...	22·21	153	98
D	Bucklebury Place	P. C. Bicknell, Esq.	5	1	409	...	21·87	152	108
D	Reading Waterworks (Bath Road)	O. Kean, Esq., C.E.	5	1	217	24·4	21·65	158	98
D	Reading (Forbury Gardens)	K. H. Thorpe, Esq.	5	1	143	24·9	20·98	139	99
D	READING (University)	Prof. A. Austin-Miller	5	1	152	...	20·78	142	105
D	Reading (Caversham Lock) (+A)	Thames Conservancy	5	1	123	...	19·37	143	94
D	Caversham (St. Peter's Hill)	J. A. Sargent, Esq.	5	1	210	25·0	19·68	127	95
D	Chievely (Priors Court)	Mr. S. F. Tuffley	5	1	403	...	21·53	161	101
D	Peasemore House	Mrs. E. Brown	5	1	400	...	22·14	134	98
D	Cold Ash (The Ridge)	A. A Lawrence, Esq.	5	1	488	...	21·71	128	100
	5.—THAMES. Ock. & c. 319 sq. mi.								
D	Stanford Dingley (Dingley Hill)	C. O. Lowsley, Esq.	5	1	400	...	21·44	142	108
D	Reading (Englefield)	H. A. Benyon, Esq.	5	1	175	27·4	21·38	148	107
D	Bradfield (Pumping Station)	Mid-Wessex Water Co.	5	1	174	...	20·53	146	100
d	Yattendon (Yattendon Court)	J. F. N. Grange, Esq.	8	2	360	...	20·27	...	...
d	Ashampstead (Pyt House)	Capt. F. M. M. Carlisle	5	1	260	...	20·58	...	...
D	Moulsford (The Old Vicarage)	Miss B. J. Abbott	8	1	170	...	19·27	138	86

DIVISION II—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BERKSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	5.—THAMES. Ock & c.—(*contd.*)								
d	Wantage (Lockinge Estate Office)	Capt. J. H. Lane Fox	5	1	400	27·8	24·84	127	104
D	Cholsey (School House)	W. D. Campbell, Esq.	5	0	150	...	20·36	162	99
D	Cholsey (Bow Bridge)	Frank K. Weedon, Esq.	5	1	151	24·9	20·97	144	93
D	Wallingford (Wantage Road)	A. Tame, Esq.	5	1	184	...	19·29	145	99
D	Wallingford (Style Acre)	A. L. Morphew, Esq.	5	1	200	25·2	20·86	143	99
D	Didcot (Sewage Works)	Wallingford R.D.C.	5	0	170	...	21·70	160	106
D	Faringdon (Shellingford House)	Mrs. K. Marshall	5	0	275	...	20·17	165	104
D	Great Coxwell (Court House Farm)	A. B. Williams, Esq.	5	1	350	...	21·52	139	102
d	Abingdon (Drayton)	G. Mudford, Esq.	5	1	194	...	19·61	...	...
D	Abingdon (Sewage Works)	Borough Surveyor	8	1	170	22·8	19·40	159	93
D	Abingdon (The Firs)	Miss M. R. Challenor	5	1	180	23·7	20·35	152	107
D	Abingdon (Christ's Hospital)	F. Lewis, Esq.	5	1	190	...	19·99	132	100
D	Abingdon (Norman Avenue)	J. L. West, Esq.	5	0	200	...	20·49	162	103
D	Abingdon (Frilford Heath)	R. A. Langford, Esq.	5	1	240	...	19·56	147	106
D	ABINGDON Airfield (+A)	Meteorological Office	5	1	210	...	19·44	154	102
D	Abingdon (Sandford Lane, S.W.)	D. Madley, Esq.	8	1	220	...	20·25	150	100
D	Abingdon (Wootton Waterworks)	Borough Surveyor	5	1	265	...	20·38	148	104
D	Boars Hill (Blackthorn)	A. C. Pilkington, Esq.	5	1	410	25·6	21·56	167	108
D	Oxford (Kennington Nursery)	Forestry Commission	5	1	350	24·7	21·58	134	108
D	Eynsham (Swinford Pumping Station)	H. H. Crawley, Esq., C.E.	5	1	203	...	21·11	140	96

DIVISION III—SOUTH MIDLAND COUNTIES

	MIDDLESEX. (Area, 232 sq. mi.)								
	1.—THAMES. Colne & Brent. 185 sq. mi.								
D	Weybridge (Shepperton Lock)	Thames Conservancy	5	1	41	23·1	19·92	138	96
D	Sunbury (Thames Street)	K. H. M. Noble, Esq.	5	1	32	...	17·51	122	79
D	Littleton (Queen Mary Reservoir)	Metropolitan Water Board	5	1	44	23·0	20·91	129	100
D	HAMPTON (Waterworks) (+A)	Metropolitan Water Board	5	1	39	22·7	18·27	134	86
D	Kempton (Waterworks)	Metropolitan Water Board	5	1	40	22·6	18·64	127	92
D	Hampton (Refuse Disposal Works)	L. G. Hamlin, Esq.	5	1	60	...	19·96	148	107
D	Staines (Pumping Station)	Metropolitan Water Board	5	1	55	...	19·09	125	96
D	Staines Reservoir (West Side)	Metropolitan Water Board	5	1	53	23·8	19·98	125	96
D	Isleworth (Mogden Works) (+A)	C. B. Townend, Esq., C.E.	5	1	33	...	19·52	134	95
D	Longford (Perry Oaks Disp. Works)	C. B. Townend, Esq., C.E.	5	1	77	...	17·27	111	94
D	Hounslow (Pawnall Gardens)	P. W. Miller, Esq.	5	1	70	...	19·92	145	90
D	Hounslow (Berkeley Avenue)	J. E. Cacutt, Esq.	5	1	80	..	19·94	133	95
D	LONDON AIRPORT (+A)	Meteorological Office	5	1	80	...	17·77	127	88
D	Kew Bridge (Waterworks)	Metropolitan Water Board	5	1	36	24·1	20·58	126	91
d	Chiswick (Town Hall)	Borough Engineer	8	1	27	23·3	21·00	...	...
D	Harmondsworth (Road Res. Lab.) (+A)	D.S.I.R.	5	1	80	...	18·52	137	90
D	Hanwell (+A)	Middlesex County Council	5	1	36	24·5	18·92	140	99
D	Hayes	H. J. Harley, Esq.	8	1	120	...	20·57	143	105
D	Ealing (Hanger Hill Reservoir)	Metropolitan Water Board	5	1	206	24·7	20·70	148	98
D	Uxbridge (Cowley)	E. H. Hamson, Esq.	5	1	160	...	19·42	133	95
d	Willesden Reservoir	Metropolitan Water Board	5	1	167	25·6	22·18	...	...
D	Willesden (Stonebridge Park)	Borough Engineer	5	5	100	...	20·80	133	101
D	NORTHOLT Airport	Meteorological Office	5	1	131	...	20·92	130	96
d	Greenford (Whitton Drive)	R. M. Eadie, Esq.	5	1	152	...	20·98	...	88
D	Wembley (Town Hall) (+A)	Borough Engineer	5	1	187	...	19·04	148	93
D	Harrow (Oakhurst)	A. Gardner, Esq.	5	1	295	24·2	22·63	143	103
D	Harrow (Eastcote Lane)	D. M. Woodman, Esq.	5	1	175	...	20·89	130	94
D	Brent Reservoir (+A)	British Waterways	5	1	138	...	20·69	148	97
D	Rayners Lane (High Worple)	R. H. Daw, Esq.	5	1	153	...	19·69	141	96
D	Ruislip (+A)	Middlesex County Council	5	1	142	...	20·01	119	91

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	MIDDLESEX—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—THAMES. Colne & Brent—(*contd.*)								
D	Harrow (Welldon Crescent)	S. Hyla Greves, Esq.	5	1 0	200	...	20·90	163	101
D	Hendon (Council Depot)	J. L. Pelham, Esq., C.E.	8	1 0	157	...	20·86	141	95
D	Finchley (Church End)	Sister Marie Jacques	5	0 8	296	...	24·49	148	101
D	Ruislip Reservoir	Ruislip-Northwood U.D.C.	5	1 3	170	...	21·88	160	98
D	WEALDSTONE (Kodak Works)	Kodak Ltd.	5	1 0	175	25·3	21·55	159	99
D	Northwood (Briarwood Drive)	C. C. Legge, Esq.	5	1 3	150	...	21·91	136	92
D	Northwood (Ravenswood)	M. T. Allen, Esq.	5	2 0	365	...	22·67	134	91
D	Edgware (M.C.C. Depot) (+A)	Middlesex County Council	5	0 9	179	25·8	18·98	119	102
D	Stanmore (+A)	Harrow U.D.C.	5	1 6	281	...	22·27	142	100
D	Edgware (Francklyn Gardens)	A. R. Bill, Esq.	5	1 0	250	...	21·91	138	97
D	Mill Hill (Barnet Way)	Major N. G. Brett-James	5	0 10	308	...	23·75	134	95
W	Barnet (Old Ford View)	Capt. C. E. Mills	5	1 0	360	...	23·95	...	...
D	Potters Bar (Sewage Disposal Works)	Engineer and Surveyor	5	1 0	260	...	20·55	130	91
	2.—THAMES. Lea. 47 sq. mi.								
D	Crouch End (Priory Park)	Hornsey Borough Council	5	1 0	118	25·8	21·59	142	102
D	Hornsey (High Street)	Metropolitan Water Board	5	1 0	107	24·9	20·09	132	100
D	Harringay (Wightman Road)	Hornsey Borough Council	5	1 0	90	...	20·14	127	96
D	Muswell Hill (Council Nurseries)	Hornsey Borough Council	5	1 0	209	26·1	20·54	143	104
D	Finchley (Avenue House)	P. M. Spencer, Esq., C.E.	5	0 11	278	26·3	21·89	136	101
D	Palmers Green (Broomfield Park)	J. T. W. Peat, Esq.	8	1 6	136	24·7	20·58	125	99
d	ENFIELD (Sewage Works)	Engineer & Surveyor	5	1 3	43	...	18·51	...	82
D	SOUTHGATE (Oakwood Park) (+A)	Borough Engineer	5	1 0	220	...	20·72	138	97
	Ponders End (Pumping Station)	Metropolitan Water Board	5	1 0	45	23·3	19·04 ?	116	91
D	Enfield (Southbury Road)	Metropolitan Water Board	5	1 0	148	24·7	20·57	135	98
D	East Barnet (Ashurst Road)	E. N. Lettin, Esq.	5	1 0	254	...	21·21	139	103
D	Enfield (Forty Hill)	G. H. Pearce, Esq., F.R.C.S.	5	1 0	125	...	20·92	136	101
D	Enfield (Whitewebbs Park)	Engineer & Surveyor	5	1 2	120	...	20·14	129	100
D	Waltham Cross (Sewage Works)	Cheshunt U.D.C.	5	1 3	61	22·6	19·08	123	87
	HERTFORDSHIRE. (Area, 635 sq. mi.)								
	1.—THAMES. Thame. 10 sq. mi.								
D	Tring (Pendley Manor)	D. E. Vallance, Esq.	5	1 0	420	28·4	22·87	163	100
	2.—THAMES. Colne & Brent. 199 sq. mi.								
D	Batchworth Heath (Bathend)	H. H. Annetts, Esq.	5	1 0	364	...	22·42	151	98
d	Bushey Heath (California Lane)	Miss C. C. Cooper	5	1 0	550	26·0	22·74	...	93
D	Bushey Heath Reservoir	Colne Valley Water Co.	5	1 3	520	...	21·78	149	96
	Totteridge (West Lodge)	P. D. Walker, Esq.	5	1 4	410	26·9	21·68	...	...
D	Totteridge (Great Bushey Drive)	J. Monger, Esq.	5	0 11	250	...	21·83	164	98
D	Batchworth (Pumping Station)	L. F. Hobbs, Esq., C.E.	5	1 2	156	...	22·34	142	90
D	Croxley Green (Hill Cottage)	B. P. Waller, Esq.	5	1 0	250	...	22·79	143	94
D	Chorleywood (Berry Lane)	M. B. King, Esq.	5	1 0	230	...	22·58	128	92
D	Barnet (Sewage Works) (+A)	E. Scott, Esq., C.E.	5	1 0	295	...	23·70	195	100
D	Boreham Wood (Furzehill Road)	H. T. Court, Esq.	5	1 0	302	...	23·32	140	94
W	Elstree (Aldenham Reservoir)	Colne Valley Water Co.	5	1 0	330	...	23·43	...	...
d	Elstree (Aldenham School)	Bursar	5	1 0	316	...	22·13	136	91
D	Watford (Aldenham Road)	Colne Valley Water Co.	5	4 6	204	25·6	21·60	126	87
D	Watford (Waterworks)	L. C. Kimberlin, Esq., C.E.	8	2 10	170	25·9	23·50	158	92
D	Aldenham (C.E. School)	L. W. Stratton, Esq.	5	1 0	298	...	22·16	134	91
D	Watford (Callowland)	K. C. Rees, Esq.	5	1 0	250	...	21·35	144	96
D	Garston (Building Research Stn.) (+A)	Director	5	1 0	250	...	20·86	134	87
D	Kings Langley (Fir Tree Cottage)	Miss H. M. Toms	5	1 0	278	28·1	24·15	162	97
D	BOVINGDON Airport (+A)	Meteorological Office	5	1 0	516	...	22·26	172	91

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	HERTFORDSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—THAMES. Colne & Brent—(*contd.*)								
D	North Mimms (Pumping Station) (+A)	Barnet District Water Co.	5	1 0	254	...	20·60	130	86
D	Hemel Hempstead (Apsley Mills) ..	J. Dickinson & Co. Ltd. ..	24	1 4	268	27·9	23·24	157	92
	Boxmoor (Moorlands)	L. W. Swainson, Esq. ..	5	1 0	300	...	22·41	...	...
D	Colney Heath (Tyttenhanger Pump. Stn.)	Barnet District Water Co. ..	5	1 0	241	25·7	19·85	130	91
d	St. Albans (Hill End Hospital) ..	Controller	5	1 0	295	25·1	21·05	...	90
D	St. Albans (Stonecross Pumping Stn.)	L. W. Ball, Esq.	5	1 6	420	...	20·79	126	90
D	ST. ALBANS (Oaklands)	Hertfordshire Inst. of Agric.	5	1 0	272	24·9	19·47	123	88
D	St. Albans (Gorhambury)	Head Gardener	5	1 0	432	27·9	23·75	131	99
D	Hatfield (Pumping Station)	Barnet District Water Co. ..	5	1 0	340	24·7	21·62	136	97
D	Berkhamstead (Rossway)	Maj. A. G. N. Hadden-Paton	5	1 3	400	...	25·05	143	103
D	Berkhamsted (Lagley)	Mrs. F. W. Johnston ..	5	1 0	400	...	23·86	135	95
D	Berkhamsted (Amersfort)	W. S. Cohen, Esq.	5	1 0	520	...	22·82	130	100
D	Tring (Cowroast Lock)	British Waterways	5	1 0	390	28·4	21·96	129	96
D	Tring (New Ground Pumping Station)	Bucks Water Board ..	5	1 0	432	...	22·57	139	96
d	Harpenden (West Common Way) ..	R. Meldrum, Esq.	5	1 0	420	...	23·02	...	...
D	§Harpenden (ROTHAMSTED) .. (+A)	Lawes Agricultural Trust ..	5	1 0	420	27·3	22·76	140	92
D	Harpenden (Rothamsted)	Lawes Agricultural Trust	72 × 87	0 0	420	28·6	24·27	164	94
D	Markyate (Waterworks)	I. Wilson, Esq.	5	1 0	538	...	23·81	140	102
	3.—THAMES. Lea. 340 sq. mi.								
D	CHESHUNT (Experimental Station) ..	Director, Exp. Research Stn.	5	1 0	83	...	19·68	133	95
d	Cheshunt (Cemetery)	Cheshunt U.D.C.	5	0 11	160	...	19·73	...	...
D	Northaw (Arish Mell)	W. T. Webster, Esq. ..	5	1 6	300	...	22·83	164	97
D	Cheshunt Yard	Metropolitan Water Board	5	1 0	114	24·1	20·33	126	91
D	Cheshunt (Darnicle Hill Pumping Stn.)	Metropolitan Water Board	5	1 0	250	26·2	21·36	144	92
D	Hatfield (Clarke's Road)	C. A. Barnes, Esq.	8	1 0	270	...	20·89	160	94
D	Broxbourne (Broxbournebury) ..	Mr. D. Cake	5	1 0	135	...	18·94	143	93
d	Hoddesdon	H. F. Hayllar, Esq.	5	3 0	130	23·7	18·07	124	90
d	Hoddesdon (Feilde's Weir)	Metropolitan Water Board	5	1 0	95	23·7	18·93	...	94
D	BAYFORDBURY	Curator, J. Innes, H.I. ..	5	1 0	221	...	19·90	125	88
D	Haileybury College	Headmaster	8	1 0	270	24·8	22·18	136	94
D	EASTWICK LODGE Farm	Harlow Development Corp.	5	1 0	160	...	18·87	134	87
D	Hertford (Cole Green)	Lee Conservancy Catchm. Bd.	5	1 0	240	...	20·38	135	91
D	Welwyn Garden City (Sewage Wks.)	Engineer & Surveyor ..	5	1 0	246	24·7	20·43	136	95
D	Hertford (Sewage Works) .. (+A)	Metropolitan Water Board	5	1 0	123	23·3	20·20	124	92
D	Ware (Red House)	Metropolitan Water Board	5	1 0	105	23·5	19·82	123	92
d	Ware (Grammar School)	Headmistress	5	1 2	118	...	21·32	...	...
D	Ware (Chadwell Spring)	Metropolitan Water Board	5	1 0	140	24·2	19·09	121	89
d	Wheathampstead (Water End House)	The Countess Reventlow ..	5	1 0	255	...	20·97	...	...
D	Welwyn (Sewage Works)	Surveyor, U.D.C.	8	0 11	260	...	22·41	137	96
d	Welwyn (Codicote Lodge)	Head Gardener	5	1 0	340	25·8	20·70	...	89
D	Much Hadham (Moor Place) ..	R. C. Norman, Esq. ..	5	1 0	270	...	22·26	131	98
D	Bishop's Stortford (Castle Mound) ..	Engineer & Surveyor ..	5	1 0	224	...	20·92	133	87
D	Breachwood Green School	S. J. Simpson, Esq. ..	5	1 0	489	...	22·36	130	96
D	Bishop's Stortford (Dunmow Road) ..	H. J. Holmes, Esq. ..	5	1 1	290	...	22·08	134	99
D	Little Hadham (Hadham Hall) ..	Herts County Council ..	5	1 0	338	24·5	20·98	129	99
D	Knebworth (Swangley's Lane) ..	R. G. Walker, Esq.	5	1 0	303	...	21·54	130	92
D	Stevenage (Broomin Green) .. (+A)	Stevenage Development Corp.	5	1 0	307	...	20·00	132	91
D	Hitchin (Preston Hill Farm)	F. H. Maybrick, Esq. ..	5	1 0	484	25·2	20·30	134	89
d	Braughing (Upp Hall)	Lady Brodie Henderson ..	5	1 6	370	...	20·49	...	97
d	Stevenage (Botany Bay)	Stevenage Development Corp.	5	1 0	420	...	21·58	...	102
D	Ardeley Bury	Lee Conservancy Catchm. Bd.	5	1 0	156	...	21·62	148	100
D	Buntingford (Chipping)	Lee Conservancy Catchm. Bd.	5	0 7	340	...	21·32	130	103
D	Royston (Therfield Rectory)	Rev. Eliot	5	1 0	412	25·2	21·00	125	96

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
			in.	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—OUSE. 86 sq. mi.								
D	Hitchin (Knightswood)	H. Cooke, Esq.	5	1 2	300	...	20·96	164	99
d	Letchworth (Museum)	(+A) Surveyor U.D.C.	5	1 0	290	22·3	19·15	...	91
D	Barley (Dalnyveed)	W. F. Sermons, Esq.	5	1 0	300	..	20·83	132	95
D	Royston (Earls Hill House)	Col. E. C. M. Phillips, D.S.O.	8	1 3	225	23·6	21·17	162	100
	BUCKINGHAMSHIRE. (Area, 743 sq. mi.)								
	1.—THAMES. Cherwell. 30 sq. mi.								
	2.—THAMES. Thame. 158 sq. mi.								
D	Princes Risborough (Research Lab.)	Director	5	1 0	333	...	21·47	137	101
D	Monks Risborough (Waterworks)	Bucks Water Board	5	1 0	363	...	23·02	133	111
D	AYLESBURY (County Farm)	Bucks Education Committee	5	1 0	316	...	20·46	141	107
D	Wendover (Dobbins Lane)	Bucks Water Board	5	1 0	402	...	20·61	142	98
D	Tring (Dancers End Pumping Station)	Bucks Water Board	5	1 0	650	...	23·69	122	93
D	Tring (Bulbourne)	British Waterways	5	1 0	401	26·2	22·56	160	100
D	Aylesbury (Sewage Works)	Engineer & Surveyor	5	1 0	251	25·9	19·00	136	100
	Mentmore Gardens	Mr. T. Lindores	5	1 3	400	25·0	23·27	...	...
	3.—THAMES. Wye & c. 129 sq. mi.								
D	Eton (Tangier Island)	(+A) G. S. Baker, Esq.	5	0 8	68	24·6	19·08	140	95
D	Slough (Upton)	Mrs. L. R. Bentley	5	1 0	78	23·9	18·91	132	92
D	Slough (Baylis House)	(+A) Borough Engineer	5	1 0	90	...	19·45	148	97
D	Taplow Court Gardens	G. H. Emmett, Esq.	5	1 0	212	*23·9*	19·36	138	91
D	Henley-on-Thames (Greenlands)	Lord Hambleden	5	1 0	125	27·1	22·07	135	97
D	Burnham (Waterworks)	Engineer	5	1 0	180	...	20·22	142	94
d	Bourne End	B. C. Hammond, Esq.	5	1 0	96	...	21·04	...	...
D	Hambledon (Hatchmans)	Mr. L. J. R. Coates	5	1 3	185	...	23·91	124	102
D	High Wycombe (Flackwell Heath)	W. C. F. Fairley, Esq.	5	1 0	365	26·8	20·97	134	92
D	High Wycombe (Pann Mill Pump Stn.)	S. Young, Esq.	8	1 0	219	...	24·05	141	100
	High Wycombe (Lane End Reservoir)	S. Young, Esq.	5	1 0	659	...	24·89	...	...
D	Penn (Rayners)	Mr. R. Cole	5	1 10	547	29·4	25·40	144	106
D	Radnage (Hillmeadows)	C. A. Atchley, Esq.	5	1 0	550	...	25·50	150	107
D	Radnage (Yewsden)	Rev. A. H. Cooper	5	1 6	400	...	25·05	144	115
D	Hampden House	The Earl of Buckinghamshire	5	1 0	695	29·2	23·22	150	109
	4.—THAMES. Colne. 133 sq. mi.								
D	Slough (Ditton Park)	Admiralty	5	2 0	70	24·7	18·68	129	89
D	Gerrards Cross (Mill Lane)	A. L. Carroll, Esq.	5	1 0	280	...	21·73	151	91
d	Denham (Golf Club)	Secretary	5	1 6	210	26·4	21·31	...	86
D	Gerrards Cross (Bulstrode Gardens)	Miss F. Hill	5	1 6	280	27·2	23·38	140	99
D	Chalfont St. Peter (The Colony)	J. W. Edwards, Esq.	8	1 2	340	...	24·12	156	93
D	Amersham (Waterworks)	L. F. Hobbs, Esq., C.E.	8	1 0	292	...	23·91	139	102
D	Amersham (Chestnut Lane)	R. L. Alexander, Esq.	5	1 3	500	...	25·12	147	94
D	Great Missenden (Pumping Station)	L. F. Hobbs, Esq., C.E.	5	1 0	372	27·6	24·23	152	101
D	Wendover (Pumping Station)	Bucks Water Board	8	1 0	486	...	25·02	163	108
D	Chesham Vale (Hawridge Pumping Stn.)	Bucks Water Board	5	1 0	423	...	23·43	157	98
D	Dagnall (Ivinglea)	E. L. Hawke, Esq., M.A.	5	1 0	550	...	24·16	166	118

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BUCKINGHAMSHIRE—(*contd.*).		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	5.—OUSE. 239 sq. mi.								
D	Oving House	Head Gardener	5	1 0	515	26·4	23·01	136	111
d	Wing (Burcott Lodge Farm)	B. B. Winter, Esq.	5	1 0	420	...	22·02	...	...
D	Twyford Vicarage	Rev. J. L. Payne	5	0 9	279	...	22·26	125	100
D	Swanbourne House School	C. N. Wynn Esq.,	5	1 0	410	26·3	20·82	128	98
D	Buckingham (Foxcote Pumping Stn.)	Bucks Water Board	5	1 0	305	...	21·29	149	106
D	Wolverton (Eton Crescent)	R. H. Clark, Esq.	5	1 0	280	...	24·05	136	101
D	Newport Pagnell (Wolverton Road)	J. Coales, Esq.	8	1 6	182	23·2	20·77	138	102
D	Olney (Colchester House)	R. E. Sowman, Esq.	5	0 9	170	...	19·31	157	97
D	Turvey (Brayfield House)	Major M. E. Farrer	5	5 0	180	23·3	19·47	135	99
	OXFORDSHIRE. (Area, 756 sq. mi.)								
	1.—SEVERN. Upper Avon. 10 sq. mi.								
D	Sibford Ferris (Grounds Farm)	B. W. Lamb, Esq.	5	3 0	570	*27·3*	21·06	144	101
D	Sibford Gower Vicarage	Rev. W. M. Grogan	5	1 5	600	...	21·25	162	99
	2.—THAMES. Windrush & c. 261 sq. mi.								
D	Kelmscott	R. Hobbs, Esq.	5	1 0	230	24·8	19·63	124	100
D	Witney (Grammar School)	M. S. Singer, Esq.	5	0 11	275	...	22·25	137	102
d	North Leigh (Perrots Hill Nursery)	G. J. Miller, Esq.	5	1 0	300	...	22·26	...	101
D	Milton-under-Wychwood (Castle Fm.)	H. B. Edginton, Esq.	5	1 0	550	...	24·46	144	106
d	Charlbury (Cornbury Park)	Head Gardener	5	1 0	420	...	24·45	...	104
D	Chadlington (The Manor)	Paul Handy, Esq.	5	1 0	400	...	22·02	121	107
D	Glympton Rectory	Rev. C. H. Cox	5	1 0	310	...	23·92	164	101
D	Chipping Norton (Heythrop College)	Meteorologist	8	1 0	600	28·0	23·27	136	113
D	Chipping Norton (Bungalow)	T. H. Pettipher, Esq.	5	1 0	750	27·6	24·74	143	108
	3.—THAMES. Cherwell. 250 sq. mi.								
D	Littlemore (Sewage Farm)	City Engineer, Oxford	8	1 0	209	...	20·52	151	103
D	Oxford (Hinksey Pumping Station)	H. H. Crawley, Esq., C.E.	8	1 0	187	24·0	19·74	150	99
D	Oxford (Osney Lock)	Thames Conservancy	5	1 6	186	24·4	19·20	152	103
D	Oxford (Magdalen College)	F. J. Parker, Esq.	5	1 0	186	23·8	19·30	153	100
D	Oxford (Richmond Road)	R. A. Bowen, Esq.	5	1 0	200	...	19·81	154	96
D	Oxford (Norham Road)	Miss Josephine Fry	5	1 0	200	...	21·34	155	111
D	Oxford (Radcliffe Met. Station)	Professor of Geography	8	1 0	208	24·8	20·90	168	110
D	Oxford (Jack Straw Lane)	F. P. Insley, Esq.	5	1 6	220	...	20·57	148	95
	Oxford (Banbury Road)	P. E. Saunder, Esq.	5	1 6	200	...	21·97	...	...
D	Noke (Orchard Cottage)	Miss S. M. Fry	5	1 0	200	...	21·43	161	105
D	Hampton Poyle (The Old Rectory)	Dr. G. D. Parkes	5	1 0	210	...	19·81	150	101
D	Kidlington (Shipton Manor)	A. J. Wells, Esq.	5	1 0	243	...	22·50	149	101
D	Tackley (Hampton)	W. Evetts, Esq.	5	1 0	266	...	22·11	140	100
d	Middleton Park	A. C. J. Wall, Esq.	5	1 0	326	25·8	21·60	...	...
d	West Adderbury (Cross Hill)	Lt.-Col. H. E. de C. Norris	5	1 0	338	25·4	20·94	...	105
D	Adderbury	Miss E. F. Spencer	5	2 0	350	...	21·61	134	103
D	Bloxham (Dursley)	F. S. Smith, Esq.	5	1 0	376	...	21·02	150	102
D	North Newington (Orchard House)	H. J. Busby, Esq.	5	1 3	392	26·7	21·77	167	108
D	Grimsbury Pumping Station	Banbury Water Dept.	5	1 3	299	...	18·62	144	93
	4.—THAMES. Thame & c. 210 sq. mi.								
D	Henley-on-Thames (Hart Street)	A. Edward Hobbs, Esq.	5	1 0	110	25·8	22·05	152	107
D	Henley-on-Thames (Greys Lane)	L. Weston	5	1 1	123	26·1	23·10	139	111
D	Henley-on-Thames (Longlands)	J. E. Chalcraft, Esq.	5	0 5	100	...	22·34	155	107
D	Stoke Row (Vicarage)	Rev. C. Isherwood	5	1 0	576	...	24·46	143	118
D	Checkendon (Uxmore)	Major F. P. Landon	5	1 0	588	...	23·97	201	116
D	Ipsden (Hailey)	A. F. Williams, Esq.	5	1 0	350	27·0	19·26	148	105

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	OXFORDSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—THAMES. Thame & c.—(*contd.*)								
D	Swyncombe House	C. W. Christie-Miller, Esq.	5	1 0	515	30·2	25·01	152	98
D	Swyncombe (Cookley House)	J. S. C. Bridge, Esq.	5	1 0	720	30·7	28·80	181	116
D	Benson Airfield (+A)	Meteorological Office	5	1 0	219	...	19·77	144	89
d	Watlington (Britwell Salome)	R. Roadnight, Esq.	5	1 0	400	...	23·13	...	101
D	Watlington (Cuxham)	Miss M. E. Edwards	5	0 10	200	...	21·61	150	110
D	Clifton Hampden (Manor House)	The Hon. Mrs. G. Gibbs	5	1 0	190	23·7	19·57	137	94
D	Watlington (Pyrton Manor)	Col. Ducat Hamersley	5	1 0	325	26·5	23·20	141	114
D	Drayton St. Leonard (Guy's)	R. Jackson, Esq.	5	1 0	164	...	19·01	142	99
D	Wheatfield	Lt.-Col. A. V. Spencer, D.S.O.	5	0 11	260	25·6	21·10	136	103
d	Toot Baldon (Potlands)	H. J. Richens, Esq.	5	1 0	289	24·7	20·29	...	84
D	†Thame (The Blue Man)	H. Badger, Esq.	5	1 0	200	...	22·39	154	106
	NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)								
	1.—SEVERN. Upper Avon. 60 sq. mi.								
D	Rugby (Braunston Rectory)	Rev. H. E. Ruddy	5	1 0	385	...	22·24	158	108
D	Naseby Reservoir	British Waterways	5	2 0	519	25·2	24·72	203	114
	2.—THAMES. Cherwell. 77 sq. mi.								
	3.—OUSE. 148 sq. mi.								
D	Hazelborough Woods	Forestry Commission	8	1 0	441	...	22·07	125	102
D	Towcester (Bradden House)	J. C. Grant-Ives, Esq.	5	2 3	420	26·5	21·65	146	100
D	Towcester (Easton Neston)	The Rt. Hon. Lord Hesketh	8	1 0	325	26·6	21·02	138	98
D	Litchborough Rectory	Rev. Leathley	5	1 0	485	...	23·61	166	117
	4.—NENE. 622 sq. mi.								
D	Blisworth (Grand Union Canal)	British Waterways	5	4 6	296	*23·8*	18·58	120	88
D	Yardley Hastings (Forest Lodge)	Forestry Commission	8	1 3	370	26·4	19·33	160	98
d	Bugbrooke Mill	Nene River Board	5	1 0	228	...	20·27	...	...
D	Northampton (Hardingstone Gen. Stn.)	British Electricity Authority**	5	1 0	189	...	19·42	147	100
D	Northampton (General Hospital)	Secretary Superintendent	5	1 3	258	23·5	19·98	151	104
d	Northampton (St. Crispin Hospital)	Medical Superintendent	5	1 7	398	24·3	19·52	...	87
D	‖Northampton (Stimpson Avenue)	Mid-Northants Water Board	8	1 0	329	...	18·45	135	99
D	‖Northampton (Mercers Row)	C. W. Boddington, Esq.	5	12 0	250	23·6	20·19	166	116
D	Duston (Southfield Road)	W. P. Walker, Esq.	5	1 0	342	25·4	21·04	165	110
D	Wollaston (Pumping Station)	A. Millar, Esq., C.E.	5	1 9	140	...	18·19	140	89
D	Wollaston	G. Harris, Esq.	5	1 0	250	23·0	18·66	142	95
D	Althorp Park	Head Gardener	5	1 0	400	26·1	21·63	167	108
D	Norton Junction	British Waterways	5	0 6	358	...	21·26	183	115
D	Rushden (Cemetery)	A. Millar, Esq., C.E.	5	1 0	260	...	18·74	158	97
D	Wellingborough (Nene Wharf)	Nene River Board	5	1 0	135	...	17·39	142	94
D	Wellingborough (Swanspool)	R. Kilby, Esq.	5	1 0	187	24·3	18·77	139	98
D	WELLINGBOROUGH (Hatton Park Road)	L. G. Cottingham, Esq.	5	1 0	290	...	19·25	143	97
D	Wellingborough (Bushfield W.W.)	Mid-Northants Water Board	8	0 11	286	*23·3*	19·55	144	99
D	Wellingborough (Ironworks)	Wellingboro' Iron Co. Ltd.	5	0 7	184	...	17·20	132	89
D	Ravensthorpe	Mid-Northants Water Board	5	0 11	320	*25·5*	19·17	131	95
D	Hollowell	Mid-Northants Water Board	5	1 0	400	...	21·30	158	112
D	RAUNDS (Madison)	T. C. Smith, Esq.	5	1 0	193	*23·0*	19·35	148	90
D	Orlingbury (Pumping Station)	Mid-Northants Water Board	5	1 0	286	...	19·06	132	100
d	Lamport Hall	Sir Gyles Isham, Bart.	5	1 0	480	26·9	21·98	...	...
D	Kettering W.W. (Cransley)	Mid-Northants Water Board	8	1 6	275	23·7	20·81	185	106

† Gauge moved ¾ mile north from Chiltern Grove in August 1949.
** *Per* Nene River Board. ‖ Site unorthodox.

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	NORTHAMPTONSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—NENE—(*contd.*).								
D	Kettering (Sewage Works)	Borough Engineer	8	1 2	199	24·2	19·68	151	98
D	Kettering W.W. (Thorpe Malsor)	Mid-Northants Water Board	5	1 0	345	24·8	21·12	148	95
D	Kettering W.W. (Clover Hill)	Mid-Northants Water Board	5	1 1	344	24·2	19·72	144	90
D	Thrapston (Drayton House)	Mr. C. V. Craske	5	1 6	220	24·7	19·09	161	96
d	Thrapston (Islip Furnaces)	Messrs. Stewarts & Lloyds**	5	1 0	150	...	17·54	...	...
D	Tichmarsh Rectory	Rev. Canon A. M. Luckock*	5	1 0	170	23·9	20·89	143	98
D	Rothwell (Shotwell Mill Waterworks)	Surveyor, U.D.C.	5	1 6	340	23·6	19·24	148	100
D	Desborough (U.D.C. Waterworks)	Mid-Northants Water Board	5	0 9	457	24·7	20·13	149	97
d	Oundle (Nene Wharf)	Nene River Board	5	1 0	65	...	17·47	...	...
D	Corby	Messrs. Stewarts & Lloyds**	5	1 0	319	...	18·97	145	100
D	Kings Cliff (Apethorpe)	J. W. Tomkins, Esq.	5	1 0	127	...	17·95	134	97
D	Peterborough (Woodston)	British Sugar Corpn. Ltd.	5	1 0	37	22·3	18·23	138	98
D	Peterborough (Westbourne House)	E. H. Colman, Esq.	5	1 0	35	21·6	17·98	144	84
D	Peterborough (Sewage Pump. Stn.)(+A)	F. J. Smith, Esq., C.E.	8	0 10	9	...	17·87	126	94
d	Wittering (Bone Mill)	E. Betts, Esq.	8	1 0	183	23·5	17·04	...	...
	5.—WELLAND. 96 sq. mi.								
d	Gretton (Hillside)	W. Leeson, Esq.	5	1 0	275	...	20·50	...	...
D	Market Deeping (Etton)	F. J. Smith, Esq., C.E.	8	1 0	36	*21·8*	17·66	137	90
	HUNTINGDONSHIRE. (Area, 366 sq. mi.)								
	1.—OUSE. 327 sq. mi.								
D	Great Gransden	Major E. W. R. Bolden	5	1 0	150	...	18·52	129	96
D	St. Neots (Kings Road)	W. P. Bond-Smith, Esq.	5	1 0	50	21·9	17·55	137	88
D	Hemingford Grey (Church Lane)	A. G. W. Briars, Esq.	5	1 0	25	...	18·35	134	110
D	Hemingford Grey	F. W. Norris, Esq.	5	2 0	20	21·9	16·85	138	96
D	St. Ives (Tenterleas)	Mr. H. E. Bell	5	1 0	25	22·6	18·02	140	97
d	Abbot's Ripton Hall	L. F. Fillenham, Esq., C.E.	5	1 6	80	...	18·47	122	93
d	Conington Castle Gardens	L. F. Fillenham, Esq., C.E.	5	1 0	25	...	20·78	124	97
D	Ramsey (Biggin Lane)	W. T. Carter, Esq.	5	1 0	70	...	20·04	135	97
D	Benwick (Four Hundred Farm)	L. F. Fillenham, Esq., C.E.	5	1 0	5	..	18·50	141	99
D	Whittlesea Mere	L. F. Fillenham, Esq., C.E.	8	1 6	10	21·4	18·00	137	93
	2.—NENE. 39 sq. mi.								
	BEDFORDSHIRE. (Area, 467 sq. mi.)								
	1.—THAMES. Colne. 20 sq. mi.								
D	Studham Hall	A. S. Butler, Esq.	5	1 9	636	...	21·79	143	109
D	WHIPSNADE Park	Zoological Society	5	1 0	720	28·7	23·47	173	115
	2.—THAMES. Lea. 32 sq. mi.								
D	Luton (Pumping Station)	Borough Engineer	5	1 2	330	25·8	19·03	122	90
D	Dunstable (Waterworks)	Dunstable Gas & Water Co.	5	1 0	520	...	19·39	144	99
D	Dunstable (Cemetery)	Borough Engineer	8	1 3	515	...	20·61	130	103
D	LUTON (Wardown Park)	Borough Engineer	5	1 0	381	25·2	19·88	137	91
	3.—OUSE. 408 sq. mi.								
d	Luton (Stopsley)	Lee Conservancy Catchm. Bd.	5	1 0	540	25·7	21·49	129	95
D	DUNSTABLE	Meteorological Office	5	1 0	516	...	20·26	143	96
D	Leighton Buzzard (Heath Road)	Great Ouse River Board	5	1 0	250	...	21·34	174	106

* Per Northamptonshire Natural History Society.
***Per* Nene River Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	BEDFORDSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—OUSE.—(*contd.*)								
D	Battlesden (Pumping Station)	Bucks Water Board	8	1 0	358	...	20·85	137	97
d	Meppershall (High Street)	Mrs. F. Rainbow	5	1 0	250	22·9	16·76	...	94
D	WOBURN (Experimental Farm)	Lawes Agricultural Trust	8	1 0	291	23·9	20·82	150	96
d	Letchworth (New Sewage Works)	Surveyor, U.D.C.	5	1 0	209	22·3	18·60	...	...
d	Stotfold (Three Counties Hospital)	Dr. McDiarmid	5	1 6	200	22·6	18·28	...	...
D	Silsoe (The Red House)	H. I. Godfrey, Esq.	5	1 0	212	22·2	18·32	127	95
D	SILSOE (Wrest Park) (+A)	Nat. Inst. of Agric. Eng.	5	1 0	195	...	18·53	141	90
d	Arlesey (Sewage Works)	H. W. Pridmore, Esq.	5	1 0	141	22·4	18·78	125	97
D	Stotfold (Sewage Works)	H. W. Pridmore, Esq.	5	1 0	130	...	17·81	123	93
D	Ampthill (Lyme Road)	J. K. Horne, Esq.	5	1 0	300	...	19·60	143	98
	Shefford (Clifton Close)	C. H. Inskip, Esq.	5	1 6	90	22·2	17·57	...	...
D	Biggleswade(New Spring Pumping Stn.)	T. A. Staniforth, Esq.	5	1 6	175	21·6	18·75	134	103
D	CRANFIELD Airfield (+A)	Meteorological Office	5	1 0	340	...	20·23	135	92
D	CARDINGTON (+A)	Meteorological Office	5	1 0	75	...	16·23	135	91
	Kempston	Mr. C. S. Payne	6	2 0	125	...	18·53	125	92
D	Potton (Sewage Works)	H. W. Pridmore, Esq.	5	1 0	111	21·7	18·36	161	96
d	Sandy (Mogerhanger Park)	W. R. Pettifer, Esq.	5	1 0	152	23·1	18·20	...	98
D	Sandy (Sewage Works)	Sandy U.D.C.	5	0 10	72	...	16·35	118	90
D	Bedford (Castle Road)	Miss M. E. Newbery	5	4 0	100	22·3	18·89	137	89
D	BEDFORD (Queens Park)	J. K. Rothwell, Esq.	5	1 0	92	...	20·04	151	97
D	Bedford (Hurst Grove)	E. H. Lock, Esq.	5	1 0	90	...	19·57	125	98
D	Bedford (Bedford Park) (+A)	Borough Engineer	8	1 3	117	...	18·34	145	95
d	Goldington (Castle Mill House)	G. A. Rogers, Esq.	5	1 6	79	21·9	18·29	125	94
D	Carlton (The Cottage)	Brig. J. S. Davenport, C.B.E.	5	1 0	200	...	19·55	135	99
d	Pavenham	C. D. Linnell, Esq.	5	1 0	200	22·4	19·79	...	101
D	Carlton (Stayesmore Manor)	Col. G. A. Battcock	5	1 0	168	...	20·00	143	96
	4.—NENE. 7 sq. mi.								
	CAMBRIDGESHIRE. (Area, 863 sq. mi.)								
	1.—STOUR. 17 sq. mi.								
	2.—OUSE. 741 sq. mi.								
D	Ashwell (Odsey)	W. Herbert Fordham, Esq.	5	1 6	256	23·0	19·88	137	96
d	Abington Pigotts Hall	M. G. de Courcy-Ireland, Esq.	5	1 0	98	21·8	18·80	122	89
D	Melbourn (County School)	W. Ogden, Esq.	5	1 4	85	22·2	18·43	143	97
D	Horseheath (Old Rectory)	O. Tabram, Esq.	5	1 0	320	...	22·48	167	104
D	Hildersham (Old Mill House)	Lt.-Col. O. B. Foster, M.C.	5	1 6	108	22·5	20·54	148	111
D	Great Shelford Vicarage	Rev. R. Gardner	5	1 0	50	...	18·59	145	96
D	Fulbourn (Fleam Dyke)	Cambridge Waterworks Co.	5	1 0	99	23·0	18·00	152	98
D	Fulbourn (Hospital)	Head Gardener	5	1 0	72	22·7	19·70	131	110
D	Cambridge (Barrow Road)	N. T. Myers, Esq.	8	0 9	47	22·3	19·40	138	95
D	Cambridge (33 Barrow Road)	Rev. H. C. Newbery	5	1 6	30	22·0	18·46	139	95
d	Cambridge (Barton Road)	J. M. Wheeler, Esq.	5	0 8	35	...	19·07	153	102
d	Cambridge (Corporation Store Yard)	Borough Engineer	5	1 8	52	21·2	19·34	136	90
D	CAMBRIDGE (BOTANIC GARDENS)	Director	5	1 0	41	21·8	18·76	139	99
	Cambridge (Glisson Road)	Rev. M. de Courcy-Ireland	5	1 0	48	...	21·19	139	97
D	Cambridge(Corporation Pumping Stn.)	Borough Engineer	5	2 4	42	22·1	18·67	141	101
D	Cambridge (Oxford Road)	J. Doggett, Esq.	5	1 0	62	...	18·49	137	93
D	CAMBRIDGE (N.I.A.B.)	Director	5	1 0	85	...	18·35	143	95
d	Dullingham (Stetchworth Park)	Mr. H. Fern.	5	1 3	270	...	20·57	...	...
d	Quy Hall	Lt.-Col. J. C. W. Francis	5	0 9	18	22·6	20·64	...	...
d	Histon (Impington Village College)	E. R. Franklin, Esq.	5	1 0	30	...	17·07	...	...
D	BOXWORTH	Farm Director	5	1 0	157	...	17·38	142	93
D	Boxworth (Manor House)	Lt.-Col. E. B. Thornhill, M.C.	5	1 0	76	23·4	19·66	190	104
d	Waterbeach (Bottisham Lock)	Great Ouse River Board	5	1 7	10	20·5	17·30	...	96

DIVISION III—SOUTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	CAMBRIDGESHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—OUSE—(*contd.*)								
D	Cottenham (Bernard House)	Miss K. Bull	5	1 6	30	22·1	18·38	166	94
D	Fordham (London House)	W. V. Bloom, Esq.	5	1 0	30	21·4	18·08	126	97
d	Bluntisham (Brownshill Staunch)	Great Ouse River Board	5	1 0	10	...	17·70	164	103
D	Stretham (Engine House)	C. O. Clarke, Esq.	5	1 0	13	21·2	17·77	121	94
D	Ely (Roswell Pits)	Great Ouse River Board	5	2 0	114	...	20·24	155	101
D	Ely (Prickwillow)	Supt. Middle Fen Com'rs.	5	1 0	10	...	21·01	137	102
D	Littleport (Highfield House)	Miss S. M. Martin	8	4 0	67	21·3	18·85	142	99
D	Chatteris (The Vicarage)	Rev. J. C. Hawthorn	5	0 11	30	...	19·43	180	101
D	Chatteris (Cemetery)	L. F. Fillenham, Esq., C.E.	5	1 0	25	...	20·38	130	98
D	Chatteris (Puddock Bridge)	L. F. Fillenham, Esq., C.E.	5	1 0	5	...	19·22	138	101
D	Whittlesey (Glassmoor Bungalow)	Whittlesey & Farcet Int. D. Bd.	5	1 0	1	...	20·15	137	98
D	Whittlesey (Ashline Sluice)	L. F. Fillenham, Esq., C.E.	5	1 0	15	...	19·65	138	92
d	March	L. F. Fillenham, Esq., C.E.	5	1 0	8	22·8	20·18	123	104
D	Upwell (Marmont Priory Lock)	L. F. Fillenham, Esq., C.E.	8	1 0	10	20·6	17·93	154	98
	3.—NENE. 105 sq. mi.								
D	Stanground Sluice	L. F. Fillenham, Esq., C.E.	5	1 0	15	21·7	18·99	149	100
d	Thorney Toll (Elm Tree Farm)	Mrs. Snushall	5	2 6	6	...	21·35	...	...
D	Thorney (North House)	H. W. Burton, Esq.	5	1 0	4	...	18·49	135	91
d	Thorney (Nutsgrove Farm)	T. R. Pick, Ltd.	5	0 5	12	...	18·13	...	...
D	Parson Drove (Clough's Cross)	J. C. Purser, Esq.	8	1 0	6	22·1	20·53	158	100
d	Wisbech (Tydd Manor)	Messrs. A. H. Carter & Sons	5	6 0	9	...	19·36	...	...

DIVISION IV—EASTERN COUNTIES

ESSEX. (Area, 1,532 sq. mi.)

	1.—THAMES. Lea. 132 sq. mi.									
D	West Ham (Abbey Mills)	London County Council	8	0 8	15	22·3	20·17	119	85
D	Leyton (Sewage Works) (+A)	Borough Engineer	5	0 9	22	23·0	20·70	129	92
D	Lea Bridge (Waterworks)	Metropolitan Water Board	5	1 0	23	*22·0*	20·11	124	91
D	Walthamstow (Ferry Lane)	Metropolitan Water Board	5	1 0	30	22·6	17·68	121	93
D	§Woodford (Haggar Lane)	Metropolitan Water Board	5	1 0	176	23·0	20·46	120	95
D	§Buckhurst Hill Reservoir	Metropolitan Water Board	5	1 0	275	*23·9*	21·02?	134	97
D	Chingford (Beresford Road)	H. Hawkins, Esq.	5	0 10	150	...	19·70	141	98
D	Chingford (Crescent Road)	Miss M. L. Mathieson	5	1 0	200	*23·3*	19·74	138	100
D	Chingford Mill	Metropolitan Water Board	5	1 0	40	*23·0*	17·93	128	88
D	Loughton (High Beech Reservoir)	Metropolitan Water Board	8	1 0	376	*25·1*	22·16	149	100
D	Waltham Abbey (Rammey Marsh)	Metropolitan Water Board	5	1 4	60	*23·4*	18·81	127	93
D	Waltham Abbey (Pumping Station)	Metropolitan Water Board	5	1 0	62	23·3	18·71	123	93
d	Waltham Abbey (Gunpowder Factory)	Superintendent	5	1 0	64	...	19·66	...	...
D	Spellbrook Lock	Lee Conservancy Catchm. Bd.	5	0 9	172	...	19·88	116	95
D	Hatfield Broad Oak (Barrington)	A. H. Gosling, Esq.	5	0 10	300	24·3	22·03	142	100
D	Stansted Nurseries	C. G. Hill-Smith, Esq.	5	1 0	275	...	22·25	140	95
D	Stansted (Burton Bower)	Major E. Cawkell	5	1 0	335	...	21·25	137	94
D	Clavering (Clavering Hall)	Messrs. Tinney & Hitchcock	5	0 9	300	...	20·27	134	97

§ Turf round wall gauge.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ESSEX—(*contd.*)			*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
	2.—THAMES. Roding & c. 316 sq. mi.										
D	Grays (Sewage Works)		Manager	8	2	0	9	*20·3*	17·90	130	83
d	Tilbury (Beaconsfield Road)		C. S. H. Hawkes, Esq., C.E.	5	1	0	6	*20·2*	17·25	..	...
D	Purfleet		Thames Board Mills, Ltd.	8	1	0	4	...	18·63	132	85
d	Grays (Connaught Avenue Depot)		C. S. H. Hawkes, Esq., C.E.	5	1	6	80	...	17·08	...	...
D	Rainham (Riverside Sewage Works)		Dagenham U.D.C.	8	1	6	5	19·3	19·89	162	88
d	Rainham (Spring Farm Rec. Ground)		Hornchurch U.D.C.	5	1	0	24	...	19·65	...	...
d	Orsett Hall		Col. Sir Francis Whitmore	8	1	2	70	...	18·57	...	...
D	Barking		Engineer and Surveyor	5	1	0	5	...	19·68	120	93
D	East Ham (Central Park)		Corporation	8	1	0	15	22·3	19·32	120	93
D	East Ham Well		Metropolitan Water Board	5	1	0	17	21·6	19·17	119	88
D	Canvey Island		Engineer & Surveyor	5	1	0	9	...	16·92	119	86
D	Upminster (Little Gaynes Gardens)		A. D. May, Esq.	8	1	0	70	...	18·92	128	98
d	Ilford (Loxford Park)		L. E. J. Reynolds, Esq. C.E.	5	1	0	30	...	21·85	...	...
d	Ilford (Goodmayes Park)		L. E. J. Reynolds, Esq., C.E.	5	1	0	38	...	21·56	...	...
d	Ilford (Valentines Park)	(+A)	L. E. J. Reynolds, Esq., C.E.	5	1	0	43	...	20·24	...	...
d	Ilford (Clayhall Park)		L. E. J. Reynolds, Esq., C.E.	5	1	0	109	...	19·84	...	...
D	Ilford (Barkingside)		N. Twydell, Esq.	5	1	0	85	...	21·65	175	91
d	Ilford (Hainault Recreation Ground)		L. E. J. Reynolds, Esq., C.E.	5	1	0	105	...	21·40	...	...
D	Southend (The Cliffs)		Pier Master	8	1	0	90	20·8	16·03	115	81
D	Southend (Waterworks)		Southend Waterworks Co.	8	1	0	123	21·1	15·97	127	83
d	Vange (Pumping Station)		Southend Waterworks Co.	5	1	0	43	...	18·70	128	82
d	Manor Park (City of London Cemy.)		Superintendent	5	0	6	50	22·4	19·39	...	86
D	Horndon (Eastern Sewage Works)		Hornchurch U.D.C.	5	1	3	23	*20·5*	17·76	126	85
d	Hornchurch (Kenilworth Gardens)		R. G. Burrell, Esq.	5	1	0	80	...	(20·03)	(128)	(85)
D	Hornchurch		Hornchurch U.D.C.	8	1	0	44	*21·0*	21·31	133	96
D	Wanstead (Red Bridge)		Metropolitan Water Board	5	1	0	25	22·8	19·83	120	87
D	Romford (Raphael Park)		Engineer & Surveyor	5	1	0	109	...	19·89	122	96
d	Harold Wood (Recreation Ground)		Hornchurch U.D.C.	5	1	0	93	...	19·50	...	...
d	Havering-atte-Bower (Fernside)		E. W. Smith, Esq.	5	1	0	360	...	22·28	...	...
D	Brentwood (Secondary Boys' School)		Headmaster	5	1	0	396	...	20·23	165	91
d	Loughton (The Summit)		Mrs. Stoker	5	0	9	314	...	21·24	124	92
D	Theydon Bois (Thrifts Hill)		I. Lloyd-Jones, Esq.	5	1	0	245	*23·6*	20·37	127	94
d	Theydon Bois (Birch Hall)		Lt.-Col. E. N. Buxton	5	0	11	300	*23·8*	20·56	115	87
D	North Weald (Canes)		Mrs. Hart	5	1	0	250	*24·2*	20·83	131	98
d	Great Canfield		G. Eland, Esq.	5	1	0	270	...	21·99	121	87
	3.—CROUCH. 186 sq. mi.										
D	Southend (Southchurch Boulevard)		H. J. G. Ralph, Esq.	8	1	0	66	*21·0*	16·34	144	85
D	Shoeburyness		Meteorological Office	5	1	0	11	19·8	17·10	124	83
d	Southchurch (Barling Road)		C. E. Smith, Esq.	5	1	6	25	...	17·09	...	...
d	Leigh (Brick House)		Miss I. Bentall	5	0	10	136	...	17·14	...	84
D	Thundersley Reservoir		Southend Waterworks Co.	5	1	0	277	*21·3*	17·83	123	85
D	Rayleigh (Alanbank)		Miss E. I. Chant	5	1	0	262	...	19·40	134	90
D	Basildon Rectory	(+A)	Basildon Development Corp.	8	2	3	120	...	18·63	125	95
D	Potton Island		A. H. Philpot & Sons, Ltd.	5	1	0	4	...	17·86	123	90
w	Billericay (Service Tank)		Southend Waterworks Co.	5	1	0	310	23·6	20·66	...	...
d	Burnham (Fisheries Laboratory)		Min. of Agric. & Fisheries	8	1	0	0	...	16·17	...	...
d	Burnham (Wycke Farm)		J. W. Cottis, Esq.	5	1	0	0	...	18·14	...	90
d	Southminster (The New Moor)		Miss M. A. Attenborough	5	1	6	72	...	17·65	...	89
	4.—BLACKWATER. 425 sq. mi.										
D	Hutton (Greenway)		H. C. Mills, Esq., F.C.I.S.	5	1	6	325	...	21·80	147	98
D	Hanningfield Reservoir		S. Essex Waterworks Co.	5	1	0	160	...	18·22	127	86
D	Margaretting (Writtle Park)		A. H. Philpot & Sons, Ltd.	5	1	0	308	...	20·59	128	92

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	ESSEX—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—BLACKWATER—(*contd.*)									
D	Chelmsford (Galleywood)		W. Lawrence Taylor, Esq.	8	1 0	200	...	19·70	138	92
D	Chelmsford (Longstomps Reservoir)		Water Engineer	5	1 0	230	...	19·25	143	90
D	Bradwell-on-Sea (Bellropes)		H. D. Chillingworth, Esq.	5	1 6	75	20·5	16·95	115	82
D	WRITTLE		Essex Inst. of Agriculture	5	1 0	110	...	18·11	140	88
D	§Maldon		Town Clerk	5	1 0	14	*20·0*	16·28	135	85
D	Chelmsford (Sandford Mill W.W.)	(+A)	Essex River Board	8	0 10	68	...	17·49	129	90
D	Hatfield Peverel (Rushes Lock)		Southend Waterworks Co.	8	1 6	40	...	17·77	153	89
D	Langford (Treatment Plant)		Southend Waterworks Co.	8	1 5	40	*21·8*	17·14	129	88
D	Hatfield Peverel (Butlers)		Mrs. J. Shaw	5	1 0	120	...	16·84	122	86
d	Witham (Wickham Hall)		Bevington Smith, Esq., C.B.E.	5	1 0	60	*20·8*	17·11	...	...
D	Hatfield Peverel (Lower Farm)		H. J. Russel, Esq.	5	1 0	101	...	17·14	136	84
D	Hatfield Peverel (Whitelands)		W. D. Goldsmith, Esq.	5	1 0	130	...	18·58	134	90
D	Great Totham		C. Weston Eve, Esq.	5	1 0	190	...	18·30	129	84
d	Little Waltham (Merefields)		J. H. Rosling, Esq.	5	1 0	140	...	18·35	...	...
d	Wickham Bishops		Mrs. Fowler	5	1 4	250	21·4	17·20	...	...
D	Tolleshunt D'Arcy (Oxley Hill)		H. Campkin, Esq.	5	1 0	100	*22·0*	17·14	137	91
d	Witham (Faulbourne Hall)		Mrs. C. W. Parker	5	1 0	100	*21·9*	17·00	...	...
d	Little Leighs (Kelle)		W. C. Neild, Esq.	5	1 2	192	*22·3*	19·42	...	...
d	Kelvedon (Harboro Hall)		A. Bevington Smith, Esq.	5	1 0	175	...	18·55	...	...
d	Kelvedon (Messing Street)		Mrs. Calver	5	2 1	120	...	16·01	...	...
	Rivenhall (Park Gate Farm)		Joseph Smith (Farms) Ltd.	5	1 0	149	...	17·93	...	...
D	Felsted School		F. M. Lee, Esq.	5	1 0	248	*22·9*	20·67	130	94
D	Felsted (Sugar Factory)		British Sugar Corp. Ltd.	5	1 0	225	...	20·35	138	106
d	Little Dunmow (Throws)		Messrs. Hasler & Co. Ltd.	5	1 0	250	...	18·55	...	...
D	Rayne (Staneway)		Mrs. Burt	5	1 0	247	*23·0*	19·81	134	95
D	Braintree (Coggeshall Road)		A. F. Gunn, Esq.	5	1 0	222	...	19·60	132	101
D	Shalford (Littles)		W. B. Hart, Esq.	5	1 5	262	*22·8*	21·44	145	96
d	Great Bardfield (Great Lodge)		Joseph Smith (Farms) Ltd.	5	1 0	250	...	18·02	...	...
D	Great Bardfield (South Lodge)		G. H. Brunwin, Esq.	5	1 0	250	*23·2*	20·29	139	88
	5.—COLNE & C. 283 sq. mi.									
d	St. Osyth (Wigborough Wick)		Late P. B. Smith, Esq.	5	1 0	10	*19·3*	16·33	...	...
D	CLACTON-on-Sea (Hospital Site)		Town Clerk	5	1 0	68	20·5	16·10	121	87
d	Clacton-on-Sea (King's Road)		W. Tomlin, Esq.	5	1 0	45	...	15·37	...	86
D	Great Clacton (Clay Hall)		Miss E. A. Smith	5	1 0	45	*20·4*	17·63	131	85
D	Tiptree (Waterworks)		S. Essex Waterworks Co.	5	1 0	239	...	17·82	144	90
D	Little Holland (The Sluice House)		Essex River Board	5	0 7	14	...	16·55	118	83
D	Colchester (Layer de la Haye)		S. Essex Waterworks Co.	5	1 0	145	...	17·25	115	85
D	Colchester (Hythe Gasworks)		Eastern Gas Board	8	1 0	6	*22·0*	19·13	111	82
D	Colchester (Castle Park)		J. S. Orchard, Esq., C.E.	8	1 2	87	...	20·39	124	91
D	Colchester (Waterworks)	(+A)	J. S. Orchard, Esq., C.E.	8	1 0	38	...	20·14	126	89
	Earls Colne (Coggeshall Road)		C. T. Richardson, Esq.	5	1 0	220	...	18·65	...	...
D	EARLS COLNE (Grammar School)		Headmaster	5	1 0	160	23·5	18·77	122	95
d	Ardleigh (Chancery Farm)		Mrs. Lloyd	5	1 6	120	...	18·34	...	...
D	Halstead (Attwoods)		Miss A. E. Vaizey	5	1 6	200	*23·6*	19·62	136	91
D	HALSTEAD (The Brewery)		F. N. Adams, Esq.	5	1 0	140	23·0	20·36	141	96
D	Great Yeldham Hall		G. A. Goodchild, Esq.	5	1 6	80	23·1	19·35	129	99
	6.—STOUR. 110 sq. mi.									
D	DOVERCOURT		Borough Surveyor, Harwich	5	1 0	47	21·1	15·97	121	88
d	Mistley (The Maltings)		Brooks (Mistley), Ltd.	5	1 0	30	22·2	17·09	...	...
D	Dedham		Essex River Board	5	1 0	115	...	20·67	136	89
d	Nayland (Boxted Lodge)		Essex River Board	5	1 2	160	...	21·51	120	90
d	Nayland (Boxted)		Carter & Blewitt, Ltd.	5	1 0	154	...	21·52	...	...

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ESSEX—(*contd.*)			*in.*	*ft.*	*in.*	*ft.*	*in.*	*in.*		
	6.—STOUR—(*contd.*)										
D	Manningtree (Lawford Place)		B. X. Plastics, Ltd.	5	1	0	113	...	18·58	121	84
D	Langham (Waterworks)		S. Essex Waterworks Co.	5	1	0	44	*22·0*	19·58	117	80
d	Sudbury (Belchamp Hall)		Essex River Board	5	1	0	160	...	20·02	119	89
	7.—OUSE. 80 sq. mi.										
D	Quendon (Rickling)		Messrs. Tinney & Hitchcock	5	1	0	325	24·1	19·53	127	94
D	Saffron Walden (Debden Road)		A. Marsh, Esq.	5	1	0	305	23·5	20·45	150	93
D	Saffron Walden (Bridge End)		W. Heyes, Esq., B.Sc.	5	2	0	200	23·2	20·89	136	97
	SUFFOLK. (Area, 1,489 sq mi.)										
	1.—STOUR. 271 sq. mi.										
D	East Bergholt (Flatford Mill)		Field Centre Warden	5	1	0	14	...	19·04	128	87
D	East Bergholt (Ackworth House)		A. Harwood, Esq.	8	1	0	145	...	19·37	119	85
d	Little Cornard (Moss Cottage)		Essex River Board	5	1	0	145	...	19·15	...	92
d	Sudbury (Edwardstone)		Essex River Board	5	1	0	185	...	19·52	120	95
D	Sudbury (Waterworks)		Engineer & Surveyor	5	1	0	130	...	19·57	128	94
D	Hadleigh (Penlands)		E. A. Lee, Esq.	5	1	0	185	24·4	20·92	143	93
D	Haverhill (Waterworks)		Surveyor, Haverhill, U.D.C.	8	0	9	280	24·1	19·71	137	100
D	Long Melford (Westgate House)		K. F. Colvile, Esq.	5	1	0	141	23·5	19·88	142	98
d	Long Melford (Stafford Works)		Essex River Board	5	3	0	103	...	18·21	...	...
d	Clare (Little Wratting)		Essex River Board	5	0	9	296	...	20·37	...	94
D	Boxted Hall		Essex River Board	5	1	0	160	...	21·36	129	98
	2.—ORWELL. 166 sq. mi.										
D	Hartest (Chadacre Agricultural Inst.)		Principal	5	1	0	250	...	21·92	126	98
d	Cockfield		Essex River Board	5	1	0	270	...	22·38	...	...
D	Trimley (The Avenue)		R. L. T. Clarkson, Esq.	5	1	0	72	...	16·61	141	86
D	Ipswich (Belstead Hall)	(+A)	Richard Wilson, Esq.	5	1	0	123	...	18·03	137	86
d	‖Ipswich (Museum)		Curator	8	1	0	72	*23·5*	18·37	...	...
d	Elmsett (Laurel Cottage)		Miss C. E. Ladbrook	5	3	6	230	*23·8*	19·17	140	92
D	Coddenham (Shrubland Park)		A. A. Geater, Esq.	5	1	3	168	...	19·46	141	94
D	Coddenham (Cousins Hill)		Miss Tidswell	5	1	0	160	23·9	21·18	146	101
	3.—DEBEN & C. 466 sq. mi.										
D	Felixstowe	(+A)	Meteorological Office	5	1	0	10	20·3	15·74	129	85
d	Hollesley (Pumping Station)		E. S'folk and N'folk R. Bd.	5	1	0	11	...	18·42	...	...
D	Ipswich (Daleacre)		C. Harrison-Jones, Esq.	5	1	2	140	...	18·64	166	92
D	Martlesham (Beacon Hill)		The Earl of Albermarle	5	1	0	100	...	17·77	138	102
d	Woodbridge (Little Bealings)		Capt. Guy Lempriere	5	0	9	50	22·6	17·58	...	...
D	Woodbridge (Warren Hill Road)		Mrs. J. B. Martin	5	1	0	100	...	17·68	131	98
D	Orford (Butley Abbey Farm)		Sir Peter Greenwell, Bart.	5	4	0	45	...	17·80	128	99
D	Melton (Greylands)		Miss Jervis-White-Jervis	5	1	6	40	*24·3*	17·46	142	112
d	Melton (St. Audry's Hospital)		Senior Admin. Officer	5	1	0	90	*23·8*	15·60	...	...
D	Grundisburgh (Bridge House)		Mrs. Armstrong	5	1	1	50	...	17·96	133	88
D	Orford (Sudbourne Park)		Sir Peter Greenwell, Bart.	5	3	9	50	...	17·17	105	86
D	Aldeburgh (Haven Sluice)		E. S'folk and N'folk R. Bd.	5	1	0	5	...	15·34	131	94
	Charsfield (Red House)		Hugh P. Youngman, Esq.	5	1	9	150	*24·1*	17·37	...	...

‖ Gauge over-sheltered.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SUFFOLK—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—DEBEN & C—(*contd.*)								
D	Blaxhall	R. H. Sherwood, Esq.	5	1 0	50	*23·4*	17·42	136	97
D	§Aldeburgh (Iken Way)	G.E.Sunderland-Taylor,Esq.	5	1 0	10	...	16·47	144	93
d	Framlingham (Sewage Works)	H. W. Willcock, Esq.	5	1 0	90	...	19·00	...	...
d	Saxmundham (Agric. Dem. Plot)	Agricultural Ex. Committee	5	1 0	90	...	17·77	...	...
D	Leiston (Upper Abbey)	Miss M. K. Rope	5	1 0	40	...	15·97	128	91
d	Laxfield (Badingham)	W. Llewellyn Mold, Esq.	5	1 0	180	...	17·72	...	...
D	Wrentham (Covehithe)	D. Connell, Esq.	5	1 0	25	...	16·75	145	95
	4.—YARE & C. 208 sq. mi.								
D	LOWESTOFT (Secondary School)	Town Clerk	5	1 0	82	23·5	17·26	134	96
D	Corton Vicarage	Rev. C. A. B. Allen	5	1 0	51	...	18·15	150	101
D	Herringfleet House	G. H. Wyllys, Esq.	5	1 0	55	*25·2*	20·93	166	114
D	Lound (Pumping Station)	Lowestoft Water & Gas Co.	8	1 0	33	*24·0*	18·87	138	98
D	Hopton (Hopton House)	Col. F. E. Walter, D.S.O.	5	1 2	100	...	19·00	139	101
d	Fritton Warren	Miss V. M. Upcher	5	1 0	42	*25·9*	18·70	...	...
D	Fritton Hall	Mr. F. Read	8	0 11	30	*24·7*	21·95	148	116
	5.—OUSE. 378 sq. mi.								
D	Bury St. Edmunds (Turret Close)	Rev. P. R. Frost	5	0 9	130	...	20·26	147	99
D	Bury St. Edmunds (Corp. Depot)(+A)	Borough Engineer	5	3 9	181	...	20·23	142	104
D	Newmarket (Sewage Outfall)	F. B. Waterfall, Esq.	5	1 0	81	*23·2*	20·65	122	101
d	Moulton (Pumping Station)	Mildenhall R.D.C.	5	1 0	135	...	21·81	138	105
D	Bury St. Edmunds (Westley Hall)	Mrs. Burrell	5	1 0	226	25·1	22·07	117	102
D	Bury St. Edmunds (Beet Sugar Factory)	British Sugar Corpn. Ltd.	5	0 6	160	...	20·50	138	99
d	Pakenham (Church Hill)	E. Bryant, Esq.	5	0 9	155	...	19·13	136	97
D	Bury St. Edmunds (Barton Lodge)	Mrs. S. Cox	5	1 0	200	...	21·83	140	109
D	Bury St. Edmunds (Troston Hall)	Major F. S. Beauford	5	1 0	130	*23·0*	20·90	137	98
D	Mildenhall (Worlington)	Lord Sandhurst	5	1 2	30	...	19·66	162	108
d	Mildenhall (Eriswell Pumping Stn.)	Mildenhall R.D.C.	5	1 0	30	...	20·42	136	110
	Barningham (The Beeches)	Miss A. K. Lingwood	5	0 9	136	*22·6*	20·37	...	...
D	Elveden Hall	The Earl of Iveagh, C.B.	5	1 0	130	*23·9*	20·55	152	117
D	Brandon (Waterworks)	Mildenhall R.D.C.	5	1 3	82	...	20·83	173	107
	NORFOLK. (Area, 2,041 sq. mi.)								
	1.—YARE. 658 sq. mi.								
D	Diss (Roydon Hall)	R. S. Copeman, Esq.	5	1 0	140	...	21·06	142	106
D	Diss (Bressingham Hall)	A. H. V. Bloom, Esq.	5	1 0	96	...	21·93	157	104
	Harleston (Starston)	A. L. Taylor, Esq.	5	0 10	120	...	20·79	...	...
D	Ditchingham	I. G. Rutter, Esq.	5	1 0	25	23·9	19·93	120	98
D	Ashwellthorpe (Tacolneston Hall)	Miss M. T. Walter	5	1 0	200	...	23·93	145	107
d	Beccles (Raveningham Hall)	Lt.-Col.SirEdmundBaconBt.	5	1 6	60	24·6	19·76	...	...
d	Hapton Parsonage	Lt.-Col. H. C. Copeman	5	1 0	120	...	19·82	157	103
D	Wymondham (Browick Hall)	P. W. J. Fryer, Esq.	5	1 8	140	...	17·24	148	100
	Hardingham Hall	Col. B. M. Edwards*	5	0 8	100	...	21·91	...	...
D	Hingham (Southburgh)	R. W. Keatley, Esq.	5	1 4	190	...	21·98	165	114
D	GORLESTON (Coastguard Station)	Station Officer, for M.O.	8	1 0	5	24·5	20·02	134	101
D	Norwich (Cringleford)	C. R. Edmondson, Esq.	5	1 0	75	...	20·77	150	111
D	Norwich (City Cemetery)	L. Alan Jewell, Esq.	5	1 2	93	25·5	21·11	156	115
D	Norwich (Marlingford Hall)	Mrs. A. Evans-Lombe	5	1 1	83	26·9	20·06	140	117

§ Turf wall round gauge. * *Per* Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	NORFOLK—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—YARE—(*contd.*)									
	Great Farnsham		Sir Stephen Renshaw, Bart.	5	1 0	230	...	22·74	...	...
	Sprowston (Oak Lodge)		A. Cozens-Hardy, Esq.*	5	1 0	100	25·2	20·85	...	...
d	East Dereham (The Laboratory)		Leonard A. Pett, Esq.	5	1 1	200	...	22·51	...	...
D	Taverham (Deighton Hills)		T. B. Norgate, Esq.	5	1 0	100	...	19·40	158	108
d	Sparham Hall		Major D. J. W. Sayer	5	1 0	100	...	20·74	140	116
D	Great Massingham		A. E. Jones, Esq.	5	1 0	250	...	24·36	158	112
D	WEST RAYNHAM Airfield	(+A)	Meteorological Office	5	1 0	240	...	22·77	151	104
d	Cawston (New Street)		N. B. Howard, Esq.	5	0 8	152	26·6	21·23	...	...
D	Colkirk Hall		J. T. Joice, Esq.	5	1 0	210	...	23·43	152	108
D	Fakenham (Wells Road)		W. H. Fisher, Esq.	5	2 0	9	...	23·95	146	106
	2.—YARE. Bure & c. 368 sq. mi.									
d	BURLINGHAM (Horticultural Stn.)		Norfolk Education Com'tee	5	1 0	89	...	21·14	135	97
D	SPROWSTON		Director, Norfolk Ag. Stn.	5	1 0	93	25·7	20·34	166	110
D	Horsham St. Faith Airfield	(+A)	Meteorological Office	5	1 0	99	...	20·30	151	108
D	Great Ormesby (Grey House)		Lt.-Col. R. A. Nightingale	5	1 0	18	...	20·83	165	108
D	Yarmouth (Ormesby St. Michael)		Great Yarmouth W.W. Co.	8	1 0	22	26·2	20·96	158	116
D	Horning (Pumping Station)		Great Yarmouth W.W. Co.	8	1 0	9	...	18·76	137	106
D	Wroxham (Hoveton House)		Mrs. I. C. Blofeld	5	1 4	100	...	22·07	149	113
d	Wroxham (Hoveton Home Farm)		T. R. C. Blofeld, Esq.	5	0 9	32	...	19·44	...	104
d	Haynford (Grove Cottage)		J. C. Harrison, Esq.	5	0 7	50	...	20·07	...	...
d	Wroxham (Barton Hall)		Lady Delia Peel	5	0 8	25	...	19·89	142	108
	Hickling (Old Rectory)		Cmdr. P. Barlow, R.N.*	5	1 0	10	...	19·66	...	...
D	Aylsham (Woodgate House)		Lt.-Col. P. W. Purdy	5	1 0	100	...	20·97	149	119
D	Worstead (Lyngate Cottage)		G. Cross, Esq.	8	1 6	50	26·5	22·87	153	111
D	Aylsham (The Mount)		Dr. C. L. Maingay	5	1 0	90	...	22·23	163	118
D	Aylsham (Wilderness)		Mrs. J. Peed	5	1 0	100	...	23·42	157	129
d	Aylsham (Mill House)		R. L. Rust, Esq.	5	1 0	50	...	21·95	150	124
D	Blickling Rectory		J. W. Montgomery, Esq.	5	1 2	90	...	22·78	168	126
d	Erpingham (Wolterton Park)		Lord Walpole	5	1 0	115	...	24·00	141	109
D	Holt (Brinton Grange)		Sir Charles Bristow, C.I.E.	5	0 7	140	...	22·93	166	107
	3.—STIFFKEYS & C. 290 sq. mi.									
D	Sandringham House Gardens		Mr. H. Parsons	5	1 6	121	26·4	24·91	153	115
D	Fulmodestone School		E. H. Clements, Esq.	5	1 0	214	...	24·92	146	116
D	Cromer (Northrepps Hall)		Lt.-Col. C. R. Gurney	5	1 6	180	26·7	24·39	156	116
D	Cromer (Holt Road)		Dr. Maurice Mottram	5	1 0	175	...	24·03	154	123
D	Langham		Miss F. E. Butcher	5	0 9	134	...	21·39	176	110
D	CROMER (Howards Hill)		Clerk to the U.D.C.	8	1 0	178	23·8	21·92	160	114
	Cockthorpe (The Old House)		Rev. E. C. S. Upcher	5	1 5	120	...	19·74	147	...
D	Burnham Market		Late Mrs. Harry Buxton	5	0 10	50	...	20·29	139	106
D	Burnham Market (School House)		A. E. Evans, Esq.	5	1 0	50	...	20·13	146	102
D	Sheringham (Pine Grove)		T. E. Ormond, Esq.	5	1 0	70	...	22·33	164	114
D	Wells (Outfall Sewage Works)		Surveyor	5	1 0	8	...	19·67	160	106
D	§HUNSTANTON		Advancement Association	5	1 1	105	...	18·49	143	93
D	Holme-next-Sea (Holme House)		Mr. D. E. Plume	5	1 0	10	...	20·48	149	104
	4.—OUSE & C. 709 sq. mi.									
D	Thetford (Kilverstone Hall)		Baron Fisher of Kilverstone	8	1 0	70	21·7	24·38	165	119
D	Thetford (Waterworks)		C. A. Bunting, Esq.	8	1 0	165	23·8	20·59	147	104
D	Denton Lodge (Pumping Station)		Wisbech & District Water Bd.	5	1 1	120	...	21·68	168	111
D	THETFORD (Lynford Hall)		Forestry Commission	5	1 0	50	...	21·30	153	104

* *Per* Norfolk Rainfall Organization.

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	NORFOLK—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—OUSE & C.—(*contd.*)									
d	Attleborough (Breccles Hall)		J. E. Fitt, Esq.	5	0 9	120	...	20·20	...	...
D	Denver Sluice		Great Ouse River Board	5	1 7	10	...	21·96	139	108
D	Denver (Crow Hall)		R. Bennett, Esq.	5	0 11	100	...	23·54	187	113
D	Downham (Dial House)		Messrs. T. H. Wenn & Co.	5	1 6	50	...	23·69	158	117
D	Outwell (Well Creek Sluice)		L. F. Fillenham, Esq., C.E.	5	1 0	16	22·0	19·29	115	97
d	Stow Bridge (Crabb's Abbey)		R. D. Carter, Esq.	5	3 0	8	...	21·31	...	...
D	Swaffham (Saham Toney)		F. J. Faulkner, Esq.	5	1 0	127	...	22·94	166	106
D	Swaffham (Brandon Road)		H. J. Gull, Esq.	5	1 0	175	...	26·11	153	118
D	Shouldham Vicarage		Rev. W. F. Hicks	5	1 6	75	...	21·84	152	100
D	MARHAM Airfield	(+A)	Meteorological Office	5	1 0	76	...	21·97	144	104
D	Narborough Hall		F. H. Ash, Esq.	5	1 0	45	...	23·04	149	110
d	Narborough (Narford Hall)		G. F. Attwood, Esq.	5	1 0	50	...	23·79	...	...
D	Wiggenhall (St. Germans Sluice)		L. F. Fillenham, Esq., C.E.	5	1 0	9	23·1	21·32	123	104
D	King's Lynn (North Runcton Lodge)		Capt. W. N. Gurney	5	1 0	50	...	23·22	152	108
D	TERRINGTON ST. CLEMENT (E. H. FARM)		Director	5	1 0	13	...	20·49	143	101
d	Terrington St. Clement (Sec. School)		H. W. Pooley, Esq.	5	1 0	13	...	21·64	...	...
D	Gayton (Waterworks)		H. G. Ridler, Esq.	5	1 0	131	...	22·79	146	103
D	Clenchwarton (The Beeches)		Samuel Brown, Esq.	5	1 3	10	...	22·27	144	111
D	King's Lynn (Manure Works)		W. J. R. Baxter, Esq.	5	1 2	0	...	21·23	155	105
D	King's Lynn (Freebridge)		Great Ouse River Board	5	2 0	15	...	21·96	130	112

DIVISION V—SOUTH-WESTERN COUNTIES

WILTSHIRE. (Area, 1,370 sq. mi.)

	1.—LOWER AVON. 383 sq. mi.									
D	Upton Scudamore (Pumping Station)		Engineer & Manager	5	1 0	305	...	25·90	171	110
D	Westbury (Penleigh House)		Lt.-Col. G. M. Atkinson	5	1 0	220	...	24·73	139	105
D	Westbury (Wellhead)		Waterworks Engineer	5	1 0	321	...	23·90	146	100
D	Westbury (Braemar)		Mrs. F. D. Richards	5	1 0	250	...	23·35	157	104
D	Westbury (Secondary Mod. School)		B. A. S. Archibold, Esq.	5	1 3	225	...	22·50	140	104
D	WEST LAVINGTON (Dauntsey's School)		Headmaster	5	0 11	305	...	25·82	146	107
D	Little Cheverell House		Dr. T. W. Newton Dunn	5	1 0	300	...	24·89	152	116
D	Market Lavington (Schoolhouse)		A. F. Burbridge, Esq.	5	0 9	290	29·0	23·45	159	109
d	Bradford-on-Avon (Iford Manor)		Miss Serena Peto	5	1 1	101	...	24·26	...	...
d	Seend (Cleeve House) (R)		Head Gardener	8	1 6	200	27·5	23·19	163	111
D	Holt (The Elms)		A. V. H. Beaven, Esq.	5	1 0	144	30·3	23·87	155	110
D	Great Chalfield		Major R. F. Fuller	5	1 2	165	28·6	24·43	173	104
D	Melksham (Forest Road)		Mrs. G. Pothecary	5	1 0	136	...	24·34	143	107
d	Bowood House		The Marquis of Lansdowne	5	1 4	306	...	23·90	...	...
D	LACOCK (LACKHAM House)		School of Agriculture	5	1 0	160	...	22·53	133	101
d	Corsham (The Grove)		G. S. Beaty, Esq.	5	1 0	300	...	26·28	151	120
D	Calne (Castle Walk)		G. G. Phillips, Esq.	5	1 0	240	*28·9*	23·17	139	99
D	Chippenham (Waterworks)		Borough Surveyor	5	1 2	144	...	23·29	145	106
D	Compton Bassett (Manor Farm)		Mrs. N. Fielding Johnson	5	1 0	330	...	23·61	138	104
	Chippenham (Kington Langley)		C. W. Garnett, Esq.	8	0 9	172	...	25·65	...	...
D	LYNEHAM Airfield	(+A)	Meteorological Office	5	0 11	455	...	23·23	150	107
D	Chippenham (Littleton Drew)		J. D. Marriott, Esq.	5	1 0	418	...	25·16	139	107
D	Tockenham Manor		Major G. J. Buxton	5	1 0	400	...	24·87	154	115
d	Malmesbury (Norton Manor)		Major N. S. Wilson	8	1 0	326	...	26·98	...	...
D	Malmesbury (Elm Leaze)		Miss E. Milnes-Walker	5	1 0	260	...	26·13	144	113

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	WILTSHIRE—(*contd.*)			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	2.—STOUR. 33 sq. mi.									
D	Mere (Charnage)		W. G. B. White, Esq.	5	1	6 426	33·8	29·46	145	119
D	Stourhead		H. P. R. Hoare, Esq.	5	1	2 583	38·1	32·64	162	123
	3.—EAST AVON. 554 sq. mi.									
D	Broad Chalke		Dr. H. N. Burroughes	5	4	1 362	...	25·66	149	106
D	Salisbury (Folkestone Road)		M. A. Chaplin, Esq.	5	1	0 200	...	22·40	147	105
D	Fonthill House Gardens		Major J. G. Morrison, M.P.	5	1	0 400	37·8	31·25	160	129
D	Salisbury (Sewage Works)	(+A)	City Engineer	8	1	0 147	29·7	22·39	140	101
D	Salisbury (Manor Road)		Miss L. C. D. Awdry	5	1	0 250	29·2	24·79	169	103
D	Salisbury (Atherton House)		W. Fletcher, Esq.	5	1	0 250	30·4	22·53	143	101
D	Wilton (Stone Lodge)		Major B. W. Parker	5	1	6 175	...	24·32	151	114
D	Salisbury (Dinton)		Mrs. Bovill	5	1	2 300	...	24·50	165	105
D	PORTON (C.D.E.E.)	(+A)	Superintendent Met. Dept.	5	0	11 363	27·2	22·92	154	108
D	Steeple Langford (Woodstock)		Miss A. J. Powell	5	1	0 257	...	25·49	155	114
d	Wylye (Fisherton de la Mere)		Lt.-Col. F. N. Jeans	5	0	10 350	...	24·68	...	...
d	Maiden Bradley House		The Duke of Somerset	5	1	0 620	38·4	32·66	...	114
D	BOSCOMBE DOWN Airfield	(+A)	Meteorological Office	8	1	0 417	...	22·21	161	101
d	Warminster (Crockerton Pumping Stn.)		Warminster U.D.C.	5	0	9 460	...	30·05	...	...
d	Warminster (Henford)		Cmdr. V. J. Robinson, R.N.	5	1	8 400	...	26·98	...	106
D	LARKHILL (School of Artillery)	(+A)	Meteorological Office	5	1	0 430	25·5	24·77	156	108
D	Shrewton (Maddington)		Miss V. L. Windsor	5	0	9 285	...	24·77	148	109
D	Everleigh Rectory		Rev. J. S. Macnutt	5	1	3 590	...	25·34	142	106
D	Woodborough (The Manor House)		Brigadier N. C. Lang	5	1	0 400	...	25·56	151	110
D	Pewsey (Oare)		Miss F. M. Peall	5	1	6 500	...	24·63	158	107
D	Bishops Cannings		R. J. Combes, Esq.	5	1	0 446	30·3	23·52	143	103
	4.—TEST. 77 sq. mi.									
d	Whiteparish (Sarum Quarry)		Agric. Contractors, Ltd.	5	1	0 345	...	22·53	...	...
D	Ludgershall (Conholt Park)		Miss H. M. Gaskell	8	1	0 760	33·9	28·79	159	116
	5.—THAMES. Kennet. 169 sq. mi.									
D	Bishops Cannings (Shepherds Shore)		Devizes Gas & Water Dept.	8	2	1 564	...	23·71	163	105
D	MARLBOROUGH College		Headmaster	5	1	1 424	31·1	27·33	159	108
D	Aldbourne (Manor House)		W. Brown, Esq.	5	1	0 435	29·4	26·97	177	120
	6.—THAMES. Colne and c. 154 sq. mi.									
D	Wroughton (Swindon Waterworks)		J. Ackroyd, Esq., B.Sc., C.E.	5	1	3 448	...	23·83	146	107
D	Wroughton (Priors Hill)		K. Browning, Esq.	5	1	0 510	...	25·43	153	112
D	Chiseldon (Hodson House)		A. Deadman, Esq.	5	0	9 560	29·0	22·45	167	108
D	Swindon (Town Gardens)		J. Ackroyd, Esq., B.Sc., C.E.	5	1	1 476	27·5	23·32	151	117
d	Purton (Harvest Water)		Capt. H. R. Wightman	5	1	0 425	...	21·33	...	...
	DORSET. (Area, 938 sq. mi.)									
	1.—PARRETT. 61 sq. mi.									
d	Evershot (Melbury House)		Mr. W. G. Lee	5	2	0 460	38·7	33·10	141	117
D	Crewkerne (Chedington)		F. A. Highmore, Esq.	5	1	0 605	...	29·90	145	106
D	Sherborne (Sewage Disposal Works)		C. E. Bean, Esq.	8	1	0 164	...	25·13	137	106
d	Sherborne (Leafield Cottage)		A. S. Arnold, Esq.	5	1	2 212	...	27·34	...	121
D	Sherborne (Barton Gardens)		C. E. Bean, Esq.	8	1	0 285	...	26·50	160	116
D	Sherborne (Waterworks)		C. E. Bean, Esq.	5	1	0 200	...	25·19	136	111

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	DORSET—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—AXE. 25 sq. mi.									
d	Forde Abbey		G. D. Roper, Esq.	5	0 10	200	37·7	31·46	145	105
	3.—FROME & C. 501 sq. mi.									
D	PORTLAND BILL Lighthouse	(+A)	Lightkeeper, for M.O.	8	1 0	32	...	20·18	129	88
d	Portland (Secondary Mod. School)		Headmaster	5	0 9	300	...	20·75	...	...
D	WEYMOUTH (Westham)		Town Clerk	5	1 0	16	28·0	22·66	118	93
D	Swanage (Panorama)		E. Horncastle, Esq.	5	1 0	120	...	23·25	137	99
D	SWANAGE		Clerk to the U.D.C.	5	1 0	14	...	24·10	135	96
D	Chickerell (Lower Putton)		A. H. White, Esq.	5	1 0	45	...	23·23	128	94
D	Creech Grange		J. W. G. Bond, Esq., C.B.	5	1 0	228	37·1	27·58	164	111
D	Abbotsbury (West Street)		J. C. P. White, Esq.	5	1 6	147	29·2	27·40	130	107
d	Abbotsbury (West End)		The Earl of Ilchester	8	1 6	100	...	25·08	...	...
D	Upwey (Friar Waddon)		Engineer and Surveyor	5	1 0	215	...	27·01	146	100
D	Upwey (Higher Well)		Engineer and Surveyor	8	1 0	289	...	27·07	164	108
D	Warmwell		Weymouth W.W. Co.	5	1 0	134	...	28·22	140	106
D	Wareham (East Holme)		Miss L. S. Bond	5	1 0	23	33·9	25·14	135	107
D	Wareham (Binnegar Hall)		Mr. J. W. Hayward	5	1 0	65	33·8	24·77	135	99
D	Wareham (Trigon)		Mrs. L. Sturdy	8	1 4	60	32·1	24·15	147	103
d	Dorchester (Littlemayne)		E. R. Sykes, Esq.	5	1 0	200	...	32·44	144	115
D	Burton Bradstock (White House)		Major J. M. Wratislaw	5	1 0	40	...	25·55	133	99
D	Dorchester (South Court Avenue)		E. A. Sparks, Esq.	5	1 0	220	...	32·22	146	110
D	Dorchester (Queen's Avenue)		Late H. I. Bond, Esq.	5	1 2	240	...	30·36	154	106
D	Dorchester (Waterworks)		Borough Engineer	8	1 0	312	36·6	33·20	145	106
D	Dorchester (Stinsford)		J. Wyndham Hull, Esq.	5	1 0	207	37·4	31·13	139	107
D	Dorchester (Birkin House)		Mrs. Weber	5	1 0	230	37·4	30·49	126	106
D	Dorchester (Little Cheam)		H. F. Middleton, Esq.	5	1 0	250	...	29·92	150	99
D	Dorchester (Stratton Rectory)		J. R. Bazin, Esq.	5	0 11	250	...	30·99	150	102
D	POOLE	(+A)	Borough Council	5	1 0	18	...	22·79	135	101
d	Poole (Pitwines Gasworks)		Southern Gas Board	5	1 3	6	...	22·72	...	94
d	Poole (Henry Harbin School)		T. Johnson, Esq., B.Sc.	5	1 0	20	...	23·50	...	...
D	Parkstone (Balmoral Road)		Miss M. M. Hall	5	1 0	75	...	25·73	147	98
D	Branksome (Bourne Valley)		Southern Gas Board	8	1 2	50	30·0	25·01	139	109
D	Bournemouth (Alderney Reservoir)		Bournemouth Water Co.	8	0 9	228	...	23·99	133	107
D	Lyme Regis (Penard)		Mrs. M. E. Peat	5	1 0	83	33·2	28·35	144	102
D	Charmouth (The Moorings)		Rev. P. D. Irwin	5	1 0	100	...	24·37	146	99
D	Bridport (Allington Park)		Bridport Waterworks Co.	5	1 0	50	...	29·50	148	110
D	Bridport (Island View)		Bridport Waterworks Co.	5	1 0	50	32·9	28·02	130	102
D	Charmouth (Fishpond)		Dr. John L. Haughton	5	0 9	730	...	25·80	152	112
d	Bloxworth Heath (Research Nursery)		Forestry Commission	5	1 0	80	...	26·40	140	96
D	Bere Regis (Doddings)		Bedford & Jesty, Ltd.	5	1 0	280	...	26·08	144	100
D	Puddletown Vicarage		Rev. Canon A. L. Helps	5	4 0	200	35·8	29·71	144	111
D	Lytchett Matravers (Kit Robins)		H. Blanchard, Esq.	5	1 0	300	...	25·18	131	101
D	Wynford House		Mrs. Aldridge	5	1 0	410	43·5	34·14	150	103
D	Beaminster (East Street)		W. A. Stiby, Esq.	5	1 0	183	37·6	31·33	149	111
D	Minterne		Col. The Lord Digby, D.S.O.	5	1 0	800	...	30·56	161	125
	4.—STOUR. 384 sq. mi.									
d	Lytchett Matravers School		Headmaster	5	1 6	300	...	25·23	...	92
D	Broadstone (Grange Road)		R. Nimmo, Esq.	5	1 0	160	...	26·28	155	105
D	Corfe Mullen (The Plantation)		A. J. Russell, Esq.	8	1 0	300	...	25·41	169	102
D	Wimborne (Corfe Mullen W.W.)		Waterworks Engineer	5	1 0	81	32·9	25·51	131	94
D	Wimborne (Stapehill)		C. J. Marchant, Esq.	5	1 0	95	...	25·73	138	105
D	Wimborne (Ferndown)		H. Galton, Esq.	5	1 4	75	...	26·44	139	104
D	Wimborne (Walsford Bridge Pump. Stn.)		Bournemouth Water Co.	8	0 9	70	...	26·05	139	98

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	DORSET—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—STOUR—(*contd.*)									
d	Colehill (Joldwynds)		Rev. Sir Paget Bowman, Bt.	5	0 9	400	...	26·18	...	87
	Blandford (East Street)		R. Biddulph, Esq.*	5	0 10	105	...	25·82	...	...
D	Blandford (King's Road)		D. Blanchard, Esq.	5	1 0	195	...	24·38	143	97
D	Blandford (Bryanston)		Miss A. M. Jaques	5	1 0	185	...	27·49	144	108
d	Blandford (Letton)		Mrs. Brownlow Stuart	8	1 7	200	...	26·45	...	110
d	Glanvilles Wootton (Manor House)		H. B. Debenham, Esq.	5	0 9	250	35·2	25·71	...	120
D	Holwell (Little Westrow)		Miss H. A. Warry	5	1 0	252	34·4	26·29	160	114
D	Sturminster Newton (Stock Gaylard)		Miss Blake	5	1 0	350	...	25·07	145	102
D	Child Okeford Manor		J. H. L. Glasbrook, Esq.	5	1 0	250	...	26·75	159	112
d	Ashmore (Old Rectory)		Edward I. White, Esq.	9	1 3	700	...	29·88	...	...
D	Stalbridge (Grove Cottage)		F. B. Harris, Esq.	5	1 0	320	...	27·84	166	116
d	Shaftesbury (St. Margaret's Marsh)		G. W. Payne, Esq.	5	2 2	184	...	24·82	...	...
	Woodyates (Cobley)		Mrs. A. S. Eastwood	5	1 0	500	...	28·50	...	...
d	Stour Provost (Diamond Farm)		G. C. Trechmann, Esq.	5	1 0	260	...	25·35	...	101
D	SHAFTESBURY (C.E. School)		Headmaster, for M.O.	5	1 0	722	...	26·85	142	115
D	Gillingham (Buckhorn Weston)		A. Cox, Esq.	5	1 0	220	...	26·47	144	109
D	Gillingham (Malt House)		Col. The Lord Basing	5	1 6	275	...	25·69	150	110
	5.—EAST AVON. 12 sq. mi.									
	SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)									
	1.—PARRETT. 7 sq. mi.									
	2.—TAMAR & C. 395 sq. mi.									
D	PLYMOUTH (MOUNT BATTEN)	(+A)	Meteorological Office	5	1 0	87	37·0	27·32	141	105
D	PLYMOUTH (THE HOE)		Corpn. (G. H. Ivory & Part.)	8	1 0	117	36·7	28·18	153	108
D	Plymouth (Drake's Reservoir)		N. G. Elliot, Esq., C.E.	5	1 0	149	37·5	28·41	146	109
D	Plymouth (Freedom Fields)		Corpn. (G. H. Ivory & Part.)	5	1 0	208	39·4	29·21	143	113
D	Plymouth (Hartley Reservoir)		N. G. Elliot, Esq., C.E.	5	1 0	321	39·9	31·88	149	128
D	Plympton (Little Woodford)		W. P. Cundy, Esq.	5	1 0	80	...	32·45	156	115
D	Bickleigh (Roborough Reservoir)		N. G. Elliot, Esq., C.E.	5	1 0	548	46·2	38·47	183	124
D	Lee Moor House		R. Martin, Esq.	8	1 0	900	62·4	46·84	166	133
d	Roborough (Maristow Gardens)		W. H. Tottey, Esq.	5	1 0	50	...	40·31	...	112
D	Sheepstor (Redstone)		N. G. Elliot, Esq., C.E.	5	1 0	760	59·0	49·97	181	152
D	Sheepstor (Burrator)		N. G. Elliot, Esq., C.E.	5	1 0	755	59·1	48·74	182	149
D	Sheepstor (Head Weir)		N. G. Elliot, Esq., C.E.	5	1 0	730	57·0	49·30	181	151
D	Dousland Reservoir		N. G. Elliot, Esq., C.E.	5	1 0	714	51·8	43·21	159	136
M	Dartmoor (Deancombe Farm)		N. G. Elliot, Esq., C.E.	5	1 0	807	...	49·21	...	...
D	Yelverton (Yarrow-Dousland)		R. R. Brown, Esq.	5	0 8	700	...	45·24	192	144
D	Yelverton (Uppaton)		Cmdr. J. P. Burton, R.N.	5	1 0	605	...	41·19	177	126
D	Dartmoor (Lowery)		N. G. Elliot, Esq., C.E.	5	1 0	899	...	48·10	182	153
M	Dartmoor (Leather Tor Farm)		N. G. Elliot, Esq., C.E.	5	1 0	910	59·0	50·55	...	...
M	Dartmoor (Siward's Cross)		N. G. Elliot, Esq., C.E.	5	1 0	1074	*69·7*	56·35	...	...
D	Horrabridge (Dostabrook)		Mrs. M. F. Corbin	5	0 9	290	...	41·78	166	127
D	Whitchurch (Grenofen)		H. Chichester, Esq.	5	1 2	325	46·1	41·88	179	135
D	TAVISTOCK		T. H. Harris, Esq.	5	1 0	457	47·6	39·84	167	119
M	Dartmoor (Double Waters)		N. G. Elliot, Esq., C.E.	5	1 0	1165	64·2	51·71	...	...
D	Dartmouth (North Hessary Tor)		N. G. Elliot, Esq., C.E.	5	1 0	1398	...	51·39	188	148
d	North Brentor (Langstone)		T. M. Lashbrook, Esq.	5	1 0	800	...	37·81	...	134
D	Coryton Manor		T. Newman, Esq.	5	1 2	450	43·5	41·69	180	137
D	Werrington Park		Mr. R. M. Gregory	5	1 0	600	...	32·37	169	126

* *Per* Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—TAMAR & C.—(*contd.*)								
D	Sourton (Prewley Treatment Works)	K. J. Young, Esq.	5	1 0	1057	...	47·81	185	146
D	Ashwater Rectory	Rev. R. J. D. Newhouse ..	5	1 0	480	42·6	35·12	177	133
D	Holsworthy (Pyworthy Rectory) ..	Rev. E. P. James	5	1 3	400	...	32·96	187	136
D	Holsworthy (Bodmeyric)	Miss A. D. Rogers	5	1 0	476	42·3	35·93	184	144
	3.—ERM & C. 217 sq. mi.								
D	Holsworthy (N.A.A.S. Camp) ..	D. J. Harris, Esq.	5	1 0	478	...	37·45	192	141
d	Stoke Fleming (Windward)	Miss E. L. Garrett	5	1 0	380	...	30·96	...	110
D	Yealmpton (Torr)	Miss M. Wimbush	5	1 9	100	35·5	31·77	158	117
D	Yealmpton (Cross Park House) ..	Rev. Canon J. V. Yonge ..	5	1 3	160	...	34·05	172	122
d	Loddiswell (Hazelwood House) ..	Captain W. G. Peek ..	5	1 0	280	...	39·47	...	...
D	Wrangaton (Moorhaven Hospital) ..	Corpn. (G. H. Ivory & Part.)	5	1 0	650	54·2	43·94	166	129
D	South Brent (Badworthy)	Miss D. B. Latham	5	1 0	550	64·4	50·84	156	137
D	South Brent (Didworthy Sanatorium)	Medical Officer*	5	1 0	675	...	49·54	162	130
	4.—DART. 197 sq. mi.								
D	Dartmouth (Dean's Lodge)	P. F. Summers, Esq. ..	5	1 0	80	...	29·20	160	117
D	Dartmouth	Borough Engineer & Surveyor	5	0 7	9	...	30·32	163	115
D	Brixham	Torbay Paint Co., Ltd. ..	5	1 0	164	...	27·17	156	101
D	Brixham (Galmpton)	Dr. C. B. F. Tivy	5	1 0	290	...	28·98	137	104
D	PAIGNTON (Victoria Park)	Town Clerk	8	1 0	12	...	25·35	143	105
D	Totnes (Bridgetown)	W. J. Toope, Esq.	5	1 3	45	41·8	31·67	149	119
D	TOTNES (Dartington Hall)	Dartington Hall Trust ..	5	1 0	100	...	31·54	150	112
D	Broadhempston (Sneydhurst) ..	H. S. Burbery, Esq. ..	5	1 6	200	...	27·76	166	108
D	Ashburton (West Street)	W. T. Hannaford, Esq. ..	5	1 0	236	51·7	36·91	159	114
D	Ashburton (Hele House)	Rev. M. H. Needham ..	5	0 7	350	...	34·76	153	120
d	Ashburton (Place)	Mrs. E. Heron Varwell ..	5	0 8	400	...	35·71	148	122
D	Dartmoor (Fox Tor)	Water Eng'r. Paignton U.D.C.	5	1 7	1160	...	56·56	204	143
D	Dartmoor (Strane Valley)	Water Eng'r. Paignton U.D.C.	5	1 7	1180	...	55·31	204	143
D	Dartmoor (Swincombe)	Water Eng'r. Paignton U.D.C.	5	1 7	1047	...	53·29	202	152
D	PRINCETOWN (H.M. Prison) .. (+A)	Governor, for M.O. ..	5	1 0	1359	81·9	65·90	188	160
M	Princetown (Blackabrook Intake) ..	N. G. Elliot, Esq., C.E. ..	5	1 0	1293	...	57·05	...	...
W	Dartmoor (Cowsic Valley)	N. G. Elliot, Esq., C.E. ..	5	1 0	1323	76·7	61·24	...	...
D	WIDECOMBE-IN-THE-MOOR	Miss O. Kitson	5	1 0	1150	...	46·11	182	137
M	Dartmoor (Beardown Hill)	N. G. Elliot, Esq., C.E. ..	5	1 0	1560	...	67·67	...	...
	5.—TEIGN. 209 sq. mi.								
D	Torquay (Higher Lincombe Road) ..	G. N. Carleton-Stiff, Esq. ..	5	1 0	260	...	21·99	147	97
D	TORQUAY (Abbey Park)	Borough Council	5	1 0	27	33·0	22·96	136	94
D	Torquay (Lydwell Court)	J. M. Hepburn, Esq. ..	5	0 10	410	...	24·95	154	108
D	NEWTON ABBOT (Seale-Hayne College)	Principal	5	1 0	272	34·7	26·69	144	102
D	TEIGNMOUTH (Den Gardens)	G. F. Rossiter, Esq., B.Sc.	8	1 0	20	31·8	22·09	141	90
D	Teignmouth (Hazeldown Reservoir) ..	Engineer & Surveyor ..	8	1 0	425	32·4	24·14	147	108
D	Teignmouth (Shaldon Reservoir) ..	Engineer & Surveyor ..	5	1 0	213	34·9	23·4	139	99
D	Teignmouth (Landscore Reservoir) ..	Engineer & Surveyor ..	8	1 0	136	33·2	22·74	148	100
D	Kingsteignton (Firleigh Road) ..	M. B. B. Heath, Esq. ..	5	1 0	130	...	24·64	148	105
D	Dawlish (Holcombe)	C. E. Butler, Esq.	5	0 11	200	...	24·99	159	109
D	Dawlish (Luscombe Castle)	Sir Peter Hoare, Bt. ..	8	1 2	175	35·9	26·20	178	111
D	Dawlish (Beach House)	H. S. Marshall, Esq., O.B.E.	5	1 0	80	...	21·69	132	100

* *Per* Corpn. (G. H. Ivory & Part.)

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	5.—TEIGN—(*contd.*)								
D	Chudleigh (Scotleigh)	J. P. Hepburn, Esq.	5	1 3	280	...	24·30	142	105
D	Hennock (Hazelwood)	R. P. Kitson, Esq.	5	1 0	650	...	27·86	148	108
D	Lustleigh (Tottiford)	Water Engineer, Torquay	8	1 0	790	...	31·41	245	122
M	Chagford (Hurston Ridge)	Water Engineer, Torquay	5	1 0	1350	...	54·91	...	...
M	Chagford (White Ridge)	Water Engineer, Torquay	5	1 6	1650	...	54·83	...	...
D	Christow (Kennick)	Water Engineer, Torquay	8	1 0	840	...	26·86	207	118
D	Chagford (Metherall)	Water Engineer, Torquay	8	1 0	1150	...	50·87	267	147
M	Chagford (Thornworthy Down)	Water Engineer, Torquay	5	1 6	1250	...	55·13	...	...
M	Christow (Smithacott)	Water Engineer, Torquay	8	1 0	861	42·7	30·75	...	...
M	Christow (Laployd)	Water Engineer, Torquay	5	1 6	1041	42·3	34·17	...	...
D	Chagford (Thornworthy)	Miss W. H. Varwell	5	1 0	1150	59·6	47·01	179	142
D	Chagford (Teignworthy)	E. A. Courthope, Esq.	5	1 0	1000	...	37·87	185	136
D	Chagford (Yellam Cottage)	Cmdr. E. D. Marston	5	0 10	680	...	35·40	171	121
D	Drewsteignton (Newton Barton)	C. A. St. George Moore, Esq.	5	1 0	700	...	24·67	149	110
	6.—EXE. 445 sq. mi.								
D	EXMOUTH (Salterton Road) (+A)	Engineer, U.D.C.	5	1 0	195	28·6	21·92	149	96
D	Exmouth (Filters, Capel Lane)	Engineer, U.D.C.	5	1 0	240	30·3	21·12	145	100
D	STARCROSS	Min. of Agric. & Fisheries	5	1 0	29	...	22·87	129	88
D	Kenton (The Vicarage)	Rev. K. E. Alexander	5	1 0	100	...	21·82	138	92
d	Exton (Wilderose)	F. H. Stuart, Esq.	5	0 8	20	...	20·90	...	93
D	Shillingford Rectory	Rev. C. L. O'Ferrall	5	1 8	200	...	21·52	136	85
D	Exminster (Trood House)	Lt.-Col. T. L. Ormiston	5	1 11	75	32·9	23·18	129	98
D	Exeter (Hatfield, Longdown)	C. Holman, Esq.	5	1 8	450	33·8	23·44	134	100
D	Exeter (Heavitree)	W. N. Lavis, Esq.	5	1 0	112	...	21·27	149	91
d	Exeter (Devon and Exeter Institute)	Librarian	5	13 7	155	...	19·36	...	...
	Exeter (The Close)	Rev. Canon D. McLaren	5	1 7	120	...	20·58	...	88
D	EXETER Airport (+A)	Meteorological Office	5	1 0	106	...	21·99	130	89
d	Rockbeare Manor	Late Mrs. D. M. Follett	5	0 10	180	30·7	21·51	...	...
D	Cheriton Bishop (Horslake)	L. Collings-Wells, Esq.	5	3 6	500	33·3	24·29	150	113
M	Crediton (Haywards School)	C. Luxton, Esq.	5	1 0	190	...	22·84	...	...
D	Crediton (Okefield)	Seymour F. Pope, Esq.	5	1 0	325	32·2	23·44	177	110
D	Copplestone (Coplestone House)	Cmdr. W. Pope, R.N., D.S.O.	5	0 9	315	34·4	25·92	170	122
D	‖Silverton (Parsonage Lane)	A. G. Smale, Esq.	5	4 6	300	...	25·10	148	95
D	Bradninch (Bowley Close)	Miss H. R. Hepburn	8	1 0	300	34·0	27·79	150	116
D	Kentisbeare	A. E. Painter, Esq.	5	1 0	304	37·1	26·77	162	113
D	Hemycock (Mountshayne)	B. G. Clist, Esq., B.Sc.	5	1 0	606	...	30·85	168	117
d	Tiverton (Halberton)	Miss M. G. Izat	5	1 6	300	40·8	27·65	167	109
D	Tiverton (Cowley Lodge)	E. G. Peirce, Esq.	5	2 6	250	37·3	28·24	146	111
D	Cullompton (Uffculme)	F. C. Doidge, Esq.	5	8 0	320	...	26·93	151	115
D	Culmstock (Woodgate Farm)	T. Langdon Hine, Esq.	5	1 0	550	...	24·99	162	115
d	Hemyock (Culm Davy House)	Capt. F. R. Elmes, J.P.	5	1 1	512	...	26·51	...	...
D	Morebath Manor	Major. F. R. Rothwell	5	1 0	600	44·3	36·68	147	146
	7.—AXE & C. 237 sq. mi.								
D	Budleigh Salterton	R. Jones-Bateman, Esq.	5	1 0	370	...	23·23	178	99
W	Budleigh Salterton (Squabmoor)	Engineer, Exmouth U.D.C.	5	1 0	267	31·9	22·90	...	...
D	Exmouth (Squabmoor)	J. H. F. Foster, Esq.	5	1 0	450	...	25·64	134	108
d	East Budleigh (Batstone Cottage)	W. H. L. Hurman, Esq.	5	1 0	65	...	23·92	135	107
D	EAST BUDLEIGH (Bicton Old Rectory)	Colonel O. M. Dyke	5	1 0	64	...	22·56	145	100
W	East Budleigh (Yettington Intakes)	Engineer, Exmouth U.D.C.	5	1 0	300	32·2	25·09	...	...
d	East Budleigh (Bicton Gardens)	W. L. McCaskie, Esq.	5	1 0	90	31·4	23·43	129	100
D	SIDMOUTH	Borough Surveyor	5	1 0	25	...	24·17	126	113

‖ Site unorthodox.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SOUTH DEVONSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—AXE & C.—(*contd.*)								
D	Sidmouth (Loretto)	S. Horsley, Esq.	5	1 6	115	...	24·34	129	109
d	Beer (Windyridge)	J. G. Sargent, Esq.	5	1 6	200	...	26·34	138	114
D	Seaton (Marlpit Lane)	H. S. Stewart, Esq.	5	1 0	150	...	28·32	146	115
D	Seaton (Millmead)	Vice-Admiral Sir F. Pridham	5	0 8	35	...	26·13	145	110
D	Lyme Regis (Pinhay)	Major Ormsby Allhusen	5	0 9	450	...	29·71	170	118
D	Colyton (Colyford)	A. R. Forbes, Esq.	5	1 0	100	...	31·66	156	120
D	Ottery St. Mary (Broad Oak)	Miss Tallant	5	1 2	300	...	26·88	174	115
d	Ottery St. Mary (Broad Street)	W. D. Badcock, Esq.	5	1 0	170	36·3	27·01	...	108
d	Ottery St. Mary (The King's School)	A. Crowther, Esq., M.A.	5	1 0	175	...	28·16	147	109
D	Seaton Junction	Express Dairy Co. Ltd.	5	1 7	114	...	29·42	130	106
D	Axminster (Gamberlake House)	Mrs. E. B. Bayley	5	1 6	120	...	30·05	158	108
D	Hawkchurch (Castle House)	A. H. Noble, Esq.	5	1 0	278	...	30·71	142	117
D	Honiton (Cotleigh House)	Major J. M. Salusbury-Trelawny, M.C.	5	1 3	540	...	34·88	161	133
d	Stockland (The Knoll)	Dr. M. Stoker-Murdy	5	0 8	300	...	29·05	...	104
	NORTH DEVONSHIRE. (Area, 898 sq. mi.)								
	1.—NORTH COAST STREAMS. 77 sq. mi.								
	Longstone Barrow	C. H. Archer, Esq.	5	1 0	1550	...	64·17	...	...
D	Ilfracombe Reservoir	Urban District Council	5	1 0	395	46·9	42·12	159	138
D	ILFRACOMBE (Bowling Green)	Urban District Council	5	1 0	25	37·4	36·84	150	125
	2.—TAW. 442 sq. mi.								
D	Bow (Rosehill)	Miss M. Pope	5	1 0	400	...	24·80	180	113
D	North Tawton	K. J. Young, Esq.	5	1 0	537	...	27·37	166	119
D	Morchard Bishop Rectory	Rev. H. J. A. Rusbridger	5	1 0	560	...	27·86	180	123
D	Chulmleigh (Ashreigney Rectory)	Rev. R. Y. Holmes	5	0 6	590	...	35·69	151	127
d	East Anstey (Barton House)	Mrs. E. L. Hancock	5	1 0	760	...	38·73	...	...
D	Chittlehampton (Stowford House)	T. R. M. Cardus, Esq.	5	1 0	275	...	33·44	167	137
D	Chittlehampton (Stowford Lodge)	Late Major C. J. Malet	5	1 0	267	...	34·85	169	139
D	Bishops Tawton (Codden Hill)	E. F. Batten, Esq.	5	0 11	400	...	28·70	158	120
D	BARNSTAPLE (N. Devon Athenaeum)	Librarian	8	1 0	25	...	28·91	150	118
D	CHIVENOR (+A)	Meteorological Office	5	1 0	20	...	29·34	166	125
D	Goodleigh (Chelfham Mill)	Lt.-Cmdr. J. K. Elliot, R.N.	5	0 11	145	...	43·72	175	135
D	Challacombe	Urban District Council	5	1 0	851	62·8	59·08	182	151
	3.—TORRIDGE. 342 sq. mi.								
M	Dartmoor (Cranmere Pool)	E. J. Hain, Esq., for M.O.	5	1 0	1845	...	63·67	...	...
M	Dartmoor (Newbridge)	E. J. Hain, Esq., for M.O.	5	1 0	1500	...	54·23	...	...
D	Okehampton (Waterworks)	Borough Engineer	5	1 0	860	...	41·78	178	136
M	Okehampton (Uplands)	Miss C. E. Burd	5	1 0	700	51·4	37·25	...	...
D	Beaworthy (Shebbear College)	E. F. Foss, Esq.	5	1 0	540	...	36·47	188	131
d	Winkleigh (Places)	R. A. B. Coad, Esq.	5	4 0	500	...	28·25	...	122
D	Torrington (Caynton House)	C. T. Davenport, Esq., M.A.	5	1 0	278	...	32·44	159	124
D	Parkham (Melbury Reservoir)	A. Brewer, Esq.	5	1 0	515	54·6	41·93	165	137
D	Bideford (Jennett's Reservoir)	Borough Surveyor	5	1 0	62	40·8	31·79	167	126
D	Bideford (Gammaton Reservoir)	Borough Surveyor	5	1 0	350	...	30·74	160	123
D	Northam (Windmill Lane)	S. Welsford Pain, Esq.	5	1 0	200	...	29·41	164	124
d	Westward Ho! (Royal Golf Club)	Steward	5	1 6	10	34·4	25·16	...	114

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with .01 in. or more	1953 Days with .04 in. or more
	NORTH DEVONSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—WEST COAST STREAMS. 32 sq. mi.								
d	Hartland (Fosfelle)	Mrs. L. J. Chadder	5	1 0	480	46·0	38·18	...	131
D	Clovelly Court	Clovelly Estate Co. Ltd.	5	0 9	300	...	41·89	157	135
D	HARTLAND POINT (Coastguard Stn.)	Station Officer, for M.O.	5	1 0	299	...	28·03	169	113
	5.—EXE. 5 sq. mi.								
	Kinsford Gate (Span Head)	C. H. Archer, Esq.	5	1 0	1590	...	66·22	...	...
	CORNWALL. (Area, 1,363 sq. mi.)								
	1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.								
D	Crowan (Boswyn Reservoir)	Camborne Water Company	8	1 6	511	47·6	32·99	230	137
D	PENDEEN (Rose Valley)	W. R. Searle, Esq.	5	1 0	384	...	30·04	161	111
	Lelant (Tregilly)	Capt. D. M. Stuart, D.S.C.	5	1 0	100	...	28·16	...	...
D	Lelant (Trevethoe House)	Col. G. L. Tyringham	5	1 4	100	...	31·82	166	119
D	Hayle (St. Erth)	St. Erth Creamery	5	1 0	50	...	29·64	162	102
D	St. Ives (Halsetown Vicarage)	Rev. T. C. F. Barfett	5	1 0	324	...	30·13	176	122
D	St. Ives (Bussow Moor)	Borough Surveyor	5	1 0	390	48·6	30·49	163	117
D	CAMBORNE (Rosewarne)	Rosewarne Exp. Hort. Stn.	5	1 0	250	...	27·08	156	110
d	St. Agnes (Church Town)	Dr. Henry Whitworth	5	1 0	318	...	26·81	125	112
D	NEWQUAY (Mount Wise)	Urban District Council	5	1 0	182	33·2	25·05	150	105
D	ST. EVAL Airfield (+A)	Meteorological Office	5	1 0	345	...	25·09	157	114
D	Bodmin (Castle Hill House)	Major Hare	5	0 8	484	49·4	32·99	194	131
D	Wadebridge (Trevanson)	Miss A. T. Skilbeck	5	1 2	200	...	29·09	203	124
D	Padstow (Cross Street)	J. W. V. Sheldon, Esq.	5	1 0	80	...	27·35	150	105
d	Trevone (Pentonwarra)	W. M. Lindley, Esq.	5	1 0	25	...	24·60	...	...
D	Trebetherick (Pendalen)	A. Griffiths, Esq.	5	0 9	150	...	29·89	184	118
D	St. Minver (Trebetherick)	F. A. Nicks, Esq.	8	1 0	160	32·0	25·75	180	108
D	Camelford (Stannon Clay Works)	English China Clays, Ltd.	8	2 0	850	54·8	43·03	196	147
D	Camelford (Advent)	W. O. Martyn, Esq.	5	1 0	890	...	45·54	186	155
d	Camelford (Roughtor View)	D. W. Bogle, Esq., for M.O.	5	1 0	700	...	43·44	...	...
D	Delabole	Delabole Slate Co., Ltd.	5	1 6	650	...	35·82	184	139
D	Bossiney	Mrs. W. Stephens	5	1 0	290	...	30·33	160	129
D	BUDE (School House)	Urban District Council	5	1 0	50	33·4	26·44	169	119
	2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
D	THE LIZARD (Coastguard Station)	Station Officer, for M.O.	8	1 0	240	...	21·37	145	92
D	Ruan Minor (Poltesco)	A. A. Ironside, Esq.	5	1 0	120	...	23·90	142	110
D	Porthcurno	Cable & Wireless, Ltd.	5	1 0	180	36·2	23·72	124	96
D	Culdrose (R.N. Air Station)	Naval Weather Service	5	1 0	268	...	23·98	130	106
	Mawnan Smith	Brig.-Gen. H. D. Croft*	5	0 9	205	...	27·04	148	118
	Sithney (Tregathenen Reservoir)	Helston & Porthleven W. Co.	5	1 0	400	...	27·15	...	...
D	Wendron (Boderwennack)	Helston & Porthleven W. Co.	5	1 0	458	...	30·01	165	126
D	Penzance (Trewidden)	Mrs. C. Williams	5	1 0	275	43·2	33·86	120	111
d	St. Michael's Mount	Lord St. Levan	5	1 0	50	...	25·00	...	104
D	PENZANCE (Morrab Gardens)	Town Clerk	5	1 0	55	40·9	29·85	151	115
D	Penzance (Trengwainton House)	Col. E. H. W. Bolitho, C.B.	8	1 0	400	46·4	32·82	154	121
D	GULVAL (Experimental Station)	Cornwall A.E.C.	5	1 0	20	41·5	27·71	161	116
D	FALMOUTH	Town Clerk	5	1 0	167	43·6	28·68	151	112
D	Penryn Reservoirs	Falmouth Corpn. W.W.	5	1 6	235	...	27·49	135	104
D	St. Mawes (Lawn Bank)	J. Stanley-Verde, Esq.	5	1 0	100	...	23·64	138	104

* *Per* Cornwall Rainfall Association.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	CORNWALL—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	2.—FOWEY & S.E. COAST STREAMS—(*contd.*)								
D	Gwennap (Trevince)	C. H. Beauchamp, Esq.	10	1	0 240	45·5	32·87	175	127
d	Mevagissey (Chapel Point Head)	Major. A. L. Ashwell	5	1	2 30	...	28·06	...	...
D	Truro (Tregolls)	Gardener	5	1	0 65	41·6	27·25	157	113
D	Truro W.W. (Lower Tregurrow)	Manager	5	1	0 50	42·2	26·86	159	115
D	Ladock (Pumping Station)	W. C. J. Truscott, Esq.	5	1	0 98	...	25·78	154	102
D	St. Stephen (Hendra Pumping Stn.)	St. Austell R.D.C.	5	1	3 234	...	30·84	169	120
D	St. Austell (Poltair Public Gardens)	Engineer & Surveyor	5	1	0 312	45·8	32·08	170	124
D	St. Austell (Trethurgy)	Lantern China Clay Co., Ltd.	5	1	6 450	...	35·64	180	129
D	Lerryn (Fore Street)	G. Barrett, Esq.	5	1	0 50	...	(29·01)	164	118
D	Looe (Polperro Road)	C. S. Hooper, Esq.	5	1	3 410	...	30·41	175	117
d	Downderry (The Watch House)	G. S. Sneyd, Esq.	5	1	0 100	...	28·39	...	...
D	Looe (Polteana)	W. C. Crowther, Esq., M.A.	5	1	0 60	...	30·95	166	118
D	Liskeard (Penmilder)	Miss W. P. Foster	5	1	0 250	...	36·22	180	137
D	Liskeard (Treventon)	E. R. Foster, Esq.	5	1	0 360	47·7	36·66	172	128
	3.—TAMAR & C. 279 sq. mi.								
D	§St. Mellion (ELLBRIDGE Exp. Stn.)	Horticultural Superintendent	5	1	0 200	...	35·72	161	121
D	St. Mellion (Pentillie Castle)	Capt. J. G. Coryton	5	1	0 150	...	37·65	171	125
d	Pensilva (Penlee)	B. T. Skentelbery, Esq.	5	1	0 700	...	45·16	...	...
	Launceston (North Hill)	H. Landrey, Esq.*	5	1	2 475	56·8	43·03	172	...
D	Launceston (Bastreet, North Hill)	S. E. Cornwall Water Board	5	1	6 800	...	40·23	187	131
D	Launceston (Landue)	Miss S. E. Tregoning	5	0	11 225	42·5	32·38	183	120
	Boyton (Ditchen)	G. H. D. Heath, Esq.	5	1	0 455	...	33·38	...	125
	Egloskerry (Tregeare)	Miss D. M. B. Lethbridge*	5	1	10 513	...	37·50	...	...
D	North Tamerton (Davies)	W. S. Bray, Esq.	5	3	9 390	35·9	26·75	175	119
	4.—INSULAR. Isles of Scilly. 6 sq. mi.								
D	ST. MARY'S (Coastguard Station)	Station Officer, for M.O.	8	1	3 163	31·9	28·00	162	111
D	Tresco Abbey	Major A. A. Dorrien Smith	5	1	0 40	33·4	27·49	159	114
M	Tresco (Rowesfield)	Major A. A. Dorrien Smith	8	1	0 40	...	28·18	...	...
	SOMERSET. (Area, 1,624 sq. mi.)								
	1.—LOWER AVON. 294 sq. mi.								
D	Witham Friary (Gare Hill)	C. J. Smith, Esq.	5	1	6 600	...	32·78	154	127
	Wanstrow (The Manor Cottage)	Sir George Ponsonby**	5	1	0 465	37·7	33·04	...	...
D	Shepton Mallett (Pondsmead)	Lady Hobhouse	8	1	0 710	44·9	35·38	173	142
D	Frome Waterworks (Egford)	B. H. Parkes, Esq.	8	2	0 270	35·8	29·24	158	115
d	Mells (The Manor House)	Mrs. K. Asquith	5	1	0 340	37·2	30·53	...	118
D	Binegar (Gurneyslade)	Bursar	5	1	0 588	43·3	35·40	151	130
D	Stratton-on-Fosse (Downside Abbey)	Bursar	8	1	0 600	41·5	34·08	166	123
D	Stratton-on-Fosse (Greystones)	R. Chivers, Esq.	5	1	0 650	...	33·99	172	135
d	Orchardleigh Park	A. Duckworth, Esq.	8	1	3 307	32·8	28·46	...	...
d	Chilcompton (Manor Farm)	R. F. Mattick, Esq.	5	0	8 550	...	35·85	...	...
D	Radstock (Ammerdown House)	Mr. L. Sweeting	5	0	9 450	...	32·61	152	126
D	Chewton Mendip (The Priory)	The Earl of Waldegrave	5	0	11 585	42·7	36·85	142	124
W	East Harptree (Pitt Farm)	R. W. M. Melvin, Esq.	5	1	0 705	46·9	40·09	...	...
D	Litton (Sherborne Reservoir) (+A)	R. W. M. Melvin, Esq.	5	1	0 340	40·0	34·57	152	119
W	Harptree Hill	R. W. M. Melvin, Esq.	5	1	0 784	43·9	35·78	...	...

* *Per* Cornwall Rainfall Association. § Turf wall round gauge.
** *Per* Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SOMERSET—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—LOWER AVON—(*contd.*)								
D	East Harptree (Harptree House)	Lt.-Col. H. W. Kettlewell	5	0	9 345	43·7	37·85	171	129
W	East Harptree (Harptree Court)	R. W. M. Melvin, Esq.	5	1	0 308	39·9	34·08	...	...
D	East Harptree (Townsend Pumping Stn.)	Water Engineer	5	1	6 220	39·8	33·96	159	122
D	Hinton Blewett Manor	H. S. Russell, Esq.	5	1	0 500	39·6	32·45	153	118
W	North Widcombe	R. W. M. Melvin, Esq.	5	1	0 215	36·0	28·97	...	...
W	Chew Stoke (Heron's Green)	R. W. M. Melvin, Esq.	5	1	0 179	36·2	29·33	...	...
D	Pensford (Sutton Court)	Lord Strachie	8	1	0 280	37·0	28·02	170	114
d	Midford (Pumping Station)	Combe Down W.W. Co., Ltd.	5	1	0 135	...	30·13	151	121
W	Chew Stoke (Walley Court)	R. W. M. Melvin, Esq.	5	1	0 202	35·5	29·57	...	...
W	Ridgehill	R. W. M. Melvin, Esq.	5	1	0 400	36·0	30·89	...	...
D	Chew Magna	R. W. M. Melvin, Esq.	5	1	0 180	36·3	29·70	159	123
W	Winford (Upper Littleton)	R. W. M. Melvin, Esq.	5	1	0 260	37·0	30·28	...	...
W	Chew Magna (Norton)	R. W. M. Melvin, Esq.	5	1	0 342	...	28·51	...	...
D	BATH (Henrietta Park)	Medical Officer of Health	5	1	0 67	30·3	23·77	153	110
D	Bath (Southstoke Road)	P. Hambleton, Esq.	5	1	0 525	...	23·94	162	120
D	Bath (Monkton Combe)	W. G. Lock, Esq.	5	1	0 450	30·3	23·22	156	109
D	Bath (Isolation Hospital)	Medical Officer of Health	5	1	0 520	32·8	22·35	130	102
D	Bath (Bathwick Grange)	G. R. Marsh, Esq.	5	1	0 450	...	23·42	149	110
d	Bath (7, Bathwick Hill)	Rev. Preb. A. B. Burney, M.A.	5	0	6 220	...	23·82	...	106
D	Bath (Charlcombe)	Bath Corporation W.W.	5	1	6 325	31·4	23·14	143	115
d	Bath (Kingswood School)	R. W. Toynes, Esq.	5	1	0 550	...	27·70	...	...
D	Felton (St. Katherines Vicarage)	Rev. H. L. Franklin	5	1	0 560	...	30·78	134	104
W ¶	Felton (Upper Town)	R. W. M. Melvin, Esq.	5	1	0 550	38·2	31·50	...	...
d	Bath (Hamilton Road)	Miss J. Macnab	5	1	6 500	...	26·76	...	107
D	Batheaston Reservoir	Bath Corporation W.W.	5	1	0 248	31·1	24·61	147	103
d	Keynsham (Wellsway)	A. E. Stephens, Esq.	8	1	0 134	29·6	(21·87)	...	...
D ‖	Keynsham (Somerdale)	J. S. Fry & Sons, Ltd.	5	1	0 58	29·4	24·15	135	108
D	Barrow Gurney Reservoir	R. W. M. Melvin, Esq.	5	1	0 300	34·4	27·81	138	113
	Lansdown	Bath Corporation W.W.	5	1	0 380	...	26·77	...	...
D	Long Ashton (School House)	J. B. Randell, Esq.	5	1	0 161	...	33·21	164	117
D	LONG ASHTON (Research Station)	Director	8	1	0 162	34·1	30·40	150	109
d	Failand House	H. G. Tanner, Esq.	5	1	0 380	34·6	37·80	...	...
	2.—YEO, AXE & BRUE. 405 sq. mi.								
D	Bruton (Great Down Cottage)	F. K. Makins, Esq.	5	1	0 280	...	25·81	153	113
D	Bruton (South Brewham)	G. E. May, Esq.	5	1	0 350	...	31·62	163	123
D	Street (Low Level Reservoir)	Surveyor, U.D.C.	5	1	0 100	...	21·04	135	101
D	Street (Hindhayes)	Bancroft Clark, Esq.	5	1	6 78	28·8	21·49	162	94
d	Street (Sewage Farm)	Surveyor U.D.C.	5	1	0 18	...	22·02	...	...
D	Street (Millfield)	Bancroft Clark, Esq.	5	1	1 100	28·8	24·78	158	117
D	Ashcott (Bradley Cottage)	G. Thomson, Esq.	5	1	0 114	...	22·77	158	115
D	Edington	Major A. C. F. Luttrell	5	1	6 90	31·2	24·33	149	119
	Glastonbury (Hartlake Farm)	P. S. Smith, Esq.*	5	1	3 25	...	23·29	...	...
	¶Cossington (Gold Corner)	Somerset River Board	5	1	0 12	...	21·78	...	...
D	Shepton Mallet (Charlton)	C. E. Burnell, Esq., J.P.	5	1	0 481	38·8	31·05	166	126
D	Shepton Mallet (Field House)	Miss F. A. Berryman	5	1	0 500	38·6	31·40	163	124
d	Shepton Mallet (Sewage Farm)	Surveyor, U.D.C.	5	1	3 350	38·7	29·10	...	...
D	Highbridge (Bason Bridge)	Wilts United Dairies, Ltd.	5	1	0 17	...	24·30	148	113
	Highbridge (Mark)	R. J. Tewkesbury, Esq.*	5	1	0 19	...	26·52	...	...
d	Wells (Wookey Hole Paper Mills)	W. S. Hodgkinson & Co., Ltd.	5	1	4 140	35·1	28·35	...	...
d	Wookey Hole (Elm Batch)	W. Speed, Esq.	5	0	10 238	36·1	31·88	...	...
D	Burnham (Dunstan House)	Miss A. E. Smith-Spark	5	1	0 20	29·1	27·06	147	110
D	Burnham	Surveyor	5	1	0 24	28·5	25·83	129	105
D	Burnham (Berrow Road)	Miss M. Robinson	5	1	0 10	29·2	27·71	139	112

‖ Gauge over-sheltered. * *Per* Somerset River Board. ¶ Gauge over-exposed.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SOMERSET—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—YEO, AXE & BRUE—(*contd.*)								
D	Cheddar (Pumping Station)	R. W. M. Melvin, Esq.	5	1 0	50	33·6	29·84	150	120
W	Charterhouse	R. W. M. Melvin, Esq.	5	1 0	619	43·2	35·36	...	...
	Bleadon	G. C. Hutchings, Esq.*	5	1 0	25	...	26·60	...	...
D	Winscombe (Mendip View)	C. Gibbins, Esq.	5	1 0	100	...	30·43	145	114
M	Winscombe (Bore Hole)	Surveyor, Burnham U.D.C.	5	1 0	56	...	31·20	...	...
W	Compton Martin	R. W. M. Melvin, Esq.	5	1 0	276	39·2	33·48	...	...
d	Winscombe (Sidcot School)	Headmaster	5	1 0	250	...	30·55	...	...
W	Ubley (Rookery Farm)	R. W. M. Melvin, Esq.	5	1 0	525	42·5	33·99	...	...
D	Winscombe (Wintrath)	D. B. Grubb, Esq.	5	1 0	290	35·8	31·27	146	113
W	Blagdon Hill	R. W. M. Melvin, Esq.	5	1 0	550	40·6	34·82	...	...
D	Blagdon (Pumping Station)	R. W. M. Melvin, Esq.	5	1 0	112	37·0	30·42	147	115
D	WESTON-SUPER-MARE (Clarence Park)	Medical Officer of Health	5	1 0	28	29·9	27·93	141	109
D	Weston-super-Mare (Worlebury Park)	B.S.F. Hessey, Esq.	5	1 0	386	...	30·82	154	115
D	Yatton (Pumping Station)	Long Ashton, R.D.C.	5	0 10	17	...	31·49	143	106
	Yatton (Glentworth)	P. H. Hoy, Esq.*	5	1 0	36	...	33·17	...	...
D	Yatton (Chelvey)	R. W. M. Melvin, Esq.	5	1 0	60	32·5	32·22	148	114
D	West Town	Theodore Robinson, Esq.	5	2 0	80	31·9	31·18	148	111
D	Clevedon (Tickenham Road P.S.)	R. W. M. Melvin, Esq.	5	1 6	50	31·2	30·45	139	108
D	Walton-in-Gordano	Lt.-Col. Sir Chas. Miles, Bt.	5	0 9	80	...	30·58	163	116
D	Portishead (Bristol Road)	C. J. Ball, Esq.	5	1 0	20	34·9	29·93	144	120
d	Portishead (Redcliffe Bay)	R. A. S. Heaven, Esq.	5	1 0	180	...	32·21	...	115
	3.—PARRETT. 568 sq. mi.								
D	Chard (Fairlawn)	A. Austin, Esq., F.R.Met.S.	5	1 0	374	...	29·44	150	109
D	Misterton	Miss M. D. Bindley	5	1 0	300	...	31·12	150	113
D	Crewkerne (The Reservoir)	Surveyor	8	1 0	425	33·7	30·80	133	116
D	Crewkerne (Bincombe House)	Major R. A. Russell, T.D.	5	1 2	293	34·7	27·64	140	102
	Sutton Bingham Reservoir	Yeovil R.D.C.	5	1 0	182	...	25·74	...	...
D	Yeovil (Reckleford Junior School)	Headmaster	5	2 0	150	...	26·27	136	112
D	Yeovil (Pen Mill Sewage Works)	Senior Sanitary Inspector	5	1 5	100	30·6	28·29	158	125
D	Norton-sub-Hamdon (Fruit Farm)	Lt.-Cmdr. W. E. Halsey	5	1 0	126	...	22·72	148	100
D	Pitminster (Blagdon Hill)	R. B. A. Hankey, Esq.	5	0 10	650	...	31·68	196	122
D	Angersleigh (Leigh Reservoir)	Taunton Waterworks	5	1 0	530	...	28·91	165	114
	Compton Durville (Waterworks)	Langport R.D.C.*	5	1 0	60	...	23·28	...	...
D	Bickenhall (Forest Drove)	A. H. Turner, Esq.	5	1 10	250	...	26·16	180	111
D	Sampford Arundel (Sandfield)	Mrs. S. G. Williams	5	1 0	413	...	28·63	160	123
D	Ashbrittle (Kyrle)	Major J. H. Mathias	5	0 9	525	...	30·13	175	123
D	Martock (The Grange)	G. E. Barron, Esq.	5	0 9	60	29·6	22·30	140	106
	Wellington (West Buckland)	D. R. Chappell, Esq.*	5	1 0	200	...	21·29	...	...
D	Rimpton (Pound House)	Miss A. A. Gegg	5	1 0	140	...	24·25	160	105
D	Taunton (Vivary Park)	Medical Officer of Health	5	1 0	71	27·5	20·01	158	104
d	Taunton (Ashley Road)	The late Rt. Rev. Bishop R. D. Acland	5	1 0	75	...	21·50	...	...
	Queen Camel (England's Side)	Mrs. V. M. Brendon*	5	1 0	100	...	24·99	...	...
d	Taunton (St. George's Rectory)	Canon R. A. Iles	5	0 7	90	...	19·99	...	...
	Taunton	Late Miss M. G. Colthurst*	5	0 8	55	...	22·94	...	...
d	Milverton (Olands Cottage)	Miss E. R. Broadmead	5	1 6	330	...	28·82	...	...
D	Milverton (Spring Grove)	T. Lownds, Esq.	5	1 0	640	36·7	30·37	177	124
	Langport (Drayton)	E. Dabinett, Esq.*	5	1 0	46	...	21·05	...	...
D	Milverton (Rivers Farm)	A. Wimbush, Esq.	5	1 0	300	...	27·46	168	113
d	Wiveliscombe (Culverhead)	Lt.-Col. H. Jefferys-Taylor	5	1 6	450	39·6	34·30	148	115
D	Wiveliscombe (Bournes)	G. B. Synge, Esq.	5	1 0	350	...	33·36	168	122
D	Langport (The Grange)	Miss V. M. Page	5	1 0	50	...	20·48	159	105
D	Langport (County School)	Headmaster	5	1 0	65	28·1	21·58	151	105

* *Per* Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SOMERSET—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—PARRETT—(*contd.*)								
D	North Cadbury	H. R. Watson, Esq.	5	1	240	...	30·92	163	124
d	Somerton (Erleigh)	A. R. E. Pretor-Pinney, Esq.	5	1	106	...	24·02	...	...
D	Wiveliscombe (Bulland Lodge)	Air V.-M. A. J. Capel, C.B.	5	1	790	...	36·16	167	127
D	Bishop's Lydeard (Ash Priors)	H. Ross, Esq.	5	0	169	...	24·54	165	119
D	Kingston St. Mary (St. Mary's Cottage)	Mrs. Shattock	5	1	230	...	24·68	171	121
D	Bishop's Lydeard (Watts House)	Agent to Trustees	5	1	320	...	23·20	142	108
	Babcary (The Cedars)	D. R. May, Esq.*	5	1	150	...	24·45	...	...
	West Sedgemoor (Pumping Station)	Somerset River Board	5	1	25	...	19·54	...	...
d	Taunton (East Lyng)	J. T. Ames, Esq.	5	1	43	...	19·73	...	...
D	§Clatworthy (Whites Farm)	Taunton Waterworks	5	1	823	...	37·21	172	129
M	§Clatworthy (Stoford Farm)	Taunton Waterworks	5	1	1091	...	37·35	...	...
M	§Clatworthy (Sedgeborough Farm)	Taunton Waterworks	5	1	1079	...	34·00	...	...
	Castle Cary	W. Davis, Esq.*	5	1	290	...	26·27	...	...
D	Bagborough (Littlecourt)	Lt.-Gen. Sir Ed. Wetherall	5	1	450	...	27·99	148	118
D	Bridgwater (Northmoor P.S.) (+A)	Somerset River Board	5	1	23	...	20·35	149	105
	Bridgwater (Enmore)	Late Capt. H. H. Broadmead*	5	4	275	...	23·73	...	...
D	Bridgwater (Durleigh)	R. A. Watson, Esq.	8	1	46	29·8	24·88	145	104
D	Bridgwater (Blake Gardens)	R. A. Watson, Esq.	5	3	27	28·5	24·39	148	106
D	Bridgwater (Wembdon Hill)	Mrs. M. L. Colthurst	5	1	110	...	22·27	146	102
D	Bridgwater (Blacklands Street)	N. S. Bailey, Esq.	5	1	18	...	22·45	143	97
D	Bridgwater (Wembdon)	E. L. Kelting, Esq., C.E.	5	1	47	...	23·16	157	101
	Spaxton (Dore House)	Dr. G. L. Lyon-Smith	5	0	180	...	28·17	...	...
	Crowcombe (Quantock Farm)	M. A. Bucknell, Esq.*	5	1	1000	...	28·93	...	...
D	Over Stowey (Quantock San.)	Medical Superintendent	5	1	430	35·0	30·11	171	123
D	Cannington (Ashford Waterworks)	R. A. Watson, Esq.	5	1	102	31·4	23·88	142	111
D	Over Stowey	H. L. Butt, Esq.	5	1	550	...	31·16	188	122
D	CANNINGTON (Somerset Farm Inst.)	Principal	5	1	95	...	22·36	145	98
	Bridgwater (Fiddington)	J. M. Lee, Esq.*	5	1	100	...	27·14	...	...
	4.—NORTH COAST STREAMS. 158 sq. mi.								
d	Treborough (Swinhayes Farm)	Major R. A. Archer	5	1	1150	...	40·97	...	142
	Treborough (Withiel Hill)	Major R. A. Archer	5	1	1275	...	41·14	...	...
	Lype Hill	Major R. A. Archer	5	1	1320	...	46·18	...	...
	Timberscombe (Croydon Hill)	Major R. A. Archer	5	1	1175	...	37·22	...	...
d	Bicknoller (Weacombe House)	W. T. Greswell, Esq.	5	1	300	...	31·62	...	...
M	Quantock Hills (Round Hill)	Lord St. Audries	5	1	900	...	29·77	...	...
D	Dodington	W. Stone, Esq.	5	1	330	...	28·01	160	119
	Holford	E. L. Kelting, Esq.	5	1	350	...	25·10	...	...
D	Kilve Court	Mrs. Cooke-Hurle	5	1	150	30·0	24·01	129	106
S	Kilve (Corner Close)	Major H. J. Cann	5	0	350	...	27·50	130	114
d	East Quantoxhead (The Rectory)	Mrs. F. L. Aldridge	5	1	130	...	24·46	141	114
D	Watchet (Chapel Cleeve)	G. S. Lysaght, Esq.	5	1	90	...	23·27	150	103
D	Stogursey (Fairfield House)	Lord St. Audries	8	1	150	31·1	24·29	156	106
	Goosemoor (West Dunkery)	C. H. Archer, Esq.	5	1	1581	...	54·17	...	...
	§Dunkery Beacon	C. H. Archer, Esq.	5	1	1650	...	55·78	...	...
	Chains Barrow	C. H. Archer, Esq.	5	1	1587	...	68·00	...	...
D	WOOTTONCOURTENAY(FordCott.)(+A)	C. H. Archer, Esq.	5	1	486	...	36·27	171	120
D	Carhampton (The Croft)	E. W. Darby, Esq.	5	1	100	...	28·66	186	117
D	Dunster Castle Gardens	Mr. C. Heritage	8	1	100	...	27·66	162	117
d	Porlock (Hacketty Way)	H. K. Reeves, Esq.	5	1	200	...	31·45	...	...
D	Stolford (Whitewick Farm)	C. Mackenzie, Esq.	5	0	10	...	25·11	165	111
D	Minehead (Blenheim Gardens) (+A)	Engineer & Surveyor	5	1	37	33·4	27·12	153	110
d	Minehead (Weirfield)	Rev. Canon A. G. Robinson	5	1	110	...	27·43	...	107
d	Porlock Weir	E. Percival, Esq.	5	1	40	...	36·01	...	...

* *Per* Somerset River Board.

§ Turf wall round gauge.

DIVISION V—SOUTH-WEST COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SOMERSET—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—EXE. 122 sq. mi.								
	Brushford Nurseries	Mr. G. Ruff	5	1 0	450	43·8	38·33	165	129
D	East Anstey (Dassels)	Major F. R. Farquhar	5	1 0	850	...	40·32	182	135
D	Dulverton (The Cottage)	Miss B. K. Abbot	5	4 0	460	...	40·42	174	128
d	Dulverton (C.E. School)	G. H. C. Warner, Esq.	5	0 9	550	47·8	35·11	...	...
D	Bridgetown	Miss K. M. Worlsey	5	1 0	650	...	42·49	190	133
D	Winsford	Capt. R. S. Le Bas	5	1 0	620	54·3	42·84	162	128
D	Winsford (Howtown House)	W. H. Hawker, Esq.	5	1 6	690	...	41·16	166	128
	Kinsford Gate (Quarry)	C. H. Archer, Esq.	5	1 0	1500	...	68·20	...	...
D	Exford (Lower Thorne)	Miss C. Reed	5	0 7	1000	...	52·83	171	145
D	Simonsbath (Honeymead)	B. N. Waley-Cohen, Esq.	5	1 0	1250	...	51·61	191	140
	6.—AXE. 42 sq. mi.								
D	Wayford Manor	H. L. P. Baker, Esq.	5	0 10	420	...	30·02	151	118
d	Cricket St. Thomas	Mr. G. A. Wakefield	5	1 0	444	39·3	31·73	...	...
	7.—STOUR. 35 sq. mi.								
D	Church Stanton (Otterhead)	Water Engineer, Taunton	5	1 0	819	...	32·72	196	125
	Henstridge	Mr. P. Parsons*	5	1 1	256	...	28·36	...	...

DIVISION VI—WEST MIDLAND COUNTIES

	GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)								
	1.—WYE. 50 sq. mi.								
D	St. Briavels (Wyeside)	Major H. J. Le Mare	5	1 0	450	...	32·06	151	112
D	Redbrook (Pumping Station)	H. Parks, Esq.	5	1 0	220	...	29·89	146	109
d	Forest of Dean (Reddings Lodge)	Forestry Commission	8	1 3	650	...	24·53	...	...
	2.—SEVERN. Right Bank Tributaries. 185 sq. mi.								
d	Forest of Dean (Blakeney Hill Lodge)	Forestry Commission	8	1 6	450	31·6	26·24	...	115
D	Forest of Dean (PARKEND)	Forestry Commission	8	1 0	325	...	30·68	149	117
D	§Coleford (Cannop Colliery)	Manager	5	1 0	330	...	28·17	155	115
D	Forest of Dean (Serridge Lodge)	Forestry Commission	8	0 10	600	...	27·03	144	104
d	Forest of Dean (Edgehills Lodge)	Forestry Commission	8	1 0	915	...	25·89	...	...
D	Newent (Taynton)	M. Philips Price, Esq.	5	1 0	60	29·3	23·67	152	106
d	Bromsberrow Heath (Pumping Station)	Malvern U.D.C.	5	1 0	181	26·2	24·32	...	...
D	Tewkesbury (Forthampton Court)	Mr. F. R. Mayo	5	1 0	48	26·9	21·80	136	111
D	Tewkesbury (Upper Lode)	British Waterways	5	1 0	41	25·2	20·37	153	91
	3.—SEVERN. Left Bank Tributaries. 369 sq. mi.								
D	Thornbury (Thornbury Park)	Gardener	5	1 3	70	32·2	26·93	147	109
D	Alderley (Cordwalles)	C. H. Ledward, Esq.	5	1 0	300	...	27·78	156	104
d	Tortworth School	J. R. Organ, Esq.	5	1 6	264	31·8	27·90	...	103
d	Wotton-under-Edge (Bournstream)	Lt.-Col. B. S. Browne	5	1 8	300	...	26·76	...	106
D	Upper Cam (Lansdown)	A. W. Hughes, Esq.	5	1 0	350	...	29·04	162	125
D	Berkeley (Sharpness Docks)	British Waterways	5	1 3	50	...	27·02	141	111
D	Minchinhampton (The Shard)	Major V. A. H. Denne	5	1 0	495	...	29·31	160	122
D	Minchinhampton (Rectory Cottage)	F/Lt. G. W. Fisher	5	1 0	610	33·9	29·67	176	126
d	Chalford (Waterworks)	Stroud District Water Board	5	2 0	220	...	27·69	...	...
D	Stroud (Oakridge)	Lady Cripps	5	1 0	600	...	28·66	179	113
D	Stonehouse (Wycliffe College)	W. A. Sibly, Esq.	5	1 0	135	29·0	21·85	140	99
D	Stroud (RUSCOMBE)	Capt. B. D. Parkin	5	1 0	610	...	26·41	166	115
D	Miserden Park	Agent	5	1 3	800	...	30·15	178	122

* *Per* Somerset River Board.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	GLOUCESTERSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—SEVERN. Left Bank Tributaries—(*contd.*)								
D	Whitminster (The Junction)	British Waterways	5	1 0	32	...	24·44	134	106
d	Haresfield Court	G. B. Heywood, Esq.	5	1 0	100	30·2	22·79	...	103
D	Painswick (Verlands)	Lady Sleeman	5	1 0	650	...	26·75	140	116
D	Harescombe Grange	Mrs. Stamford Hutton	5	1 0	557	29·3	23·98	153	119
D	Cranham (Woodside)	J. H. Edwards, Esq.	5	1 5	650	...	23·25	160	115
D	Witcombe Reservoir	J. H. Goodridge, Esq., C.E.	8	1 0	297	29·2	21·95	161	98
D	Gloucester (The Lannett)	M. E. D. Turner, Esq.	5	1 3	56	26·6	20·11	148	103
D	Gloucester (Llanthony Lock)	British Waterways	5	0 10	33	25·4	21·42	153	110
D	Dowdeswell Reservoir	Chelt. & Glos. Water Board	5	1 3	357	30·0	24·19	142	108
D	Cheltenham (Hewletts Reservoir)	Chelt. & Glos. Water Board	8	1 6	419	27·7	23·22	157	104
D	Cheltenham (Sandford Mead)	Chelt. & Glos. Water Board	5	2 4	210	26·3	22·37	146	106
D	CHELTENHAM (Montpellier Gdns.) (+A)	Town Clerk	5	1 0	214	26·5	21·58	149	102
D	Cheltenham (Cemetery)	Frank R. Wood, Esq.	5	1 3	800	...	22·01	149	104
D	Tewkesbury (Pumping Station)	Chelt. & Glos. Water Board	5	1 0	47	...	20·98	147	106
	4.—SEVERN. Upper Avon. 68 sq. mi.								
D	Blockley (The Manor House)	Major H. F. Cox	5	0 8	450	29·4	26·69	163	127
d	Winchcombe (Sudeley Castle)	Mrs. M. Dent-Brocklehurst	5	1 0	357	...	27·41	...	...
D	Chipping Campden (Leysbourne)	Miss C. Sparling	5	1 0	470	...	24·78	177	113
D	Campden (Research Station)	Director	5	1 0	389	...	22·22	148	105
	5.—LOWER AVON & C. 208 sq. mi.								
D	Bitton (Willsbridge Nurseries)	G. E. A. Richards, Esq.	5	1 0	100	...	24·54	138	102
D	Bath (Monkswood Reservoir)	Bath Corporation W.W.	5	1 0	365	...	29·15	164	122
D	Hanham (Conham Sewage Works)	W. J. Lee, Esq.	5	1 3	50	...	26·52	150	101
D	Bristol (Hopewell Hill)	West Gloucester Water Co.	8	1 8	386	30·5	29·28	151	115
D	Clifton (Oakfield Road)	R. W. M. Melvin, Esq.	5	1 0	200	33·0	30·01	127	109
D	Bristol (St. Andrew's Park)	Miss O. M. Webb	5	1 6	200	32·6	30·73	158	114
	Bristol (Stoke Paddock Road)	Major E. J. Dunscombe	5	1 6	90	...	28·33	...	...
d	Horfield (+A)	City Engineer, Bristol	5	1 0	248	...	29·96	136	114
D	BRISTOL (FILTON) (+A)	Meteorological Office	5	1 0	192	...	26·56	147	102
D	Henbury (The Ridgeway)	R. H. Gunn, Esq.	5	1 0	263	...	28·52	155	108
D	FRAMPTON COTTERELL (Park House)	A. G. Harding, Esq.	5	1 0	158	29·8	27·62	176	113
D	Badminton Gardens	Head Gardener	5	1 0	407	...	32·62	154	125
D	Shipton Moyne (Pumping Station)	West Gloucester Water Co.	5	1 0	312	...	27·28	177	106
D	Long Newnton	P. A. Day, Esq.	5	1 0	350	...	27·69	151	114
	6.—THAMES. Right Bank Tributaries. 17 sq. mi.								
	7.—THAMES. Windrush & c. 340 sq. mi.								
d	Fairford (Reevey, Kempsford)	Major H. A. Northern	5	1 0	260	25·6	22·71	...	...
D	Lechlade (St. John's Lock)	Thames Conservancy	5	1 7	237	24·3	19·99	167	104
D	CIRENCESTER (Royal Agric. Coll.)	Principal	5	1 0	350	...	27·19	164	112
D	Cirencester (Somerford Road)	Nigel Woods, Esq.	5	1 0	354	30·8	26·24	177	113
D	Cirencester (Baunton W.W.) (+A)	Cirencester U.D.C.	5	1 0	396	...	26·58	170	112
d	Great Barrington	Mrs. R. E. Lazenby	5	1 6	417	28·8	24·00	...	...
D	LITTLE RISSINGTON Airfield (+A)	Meteorological Office	5	1 0	731	29·4	24·34	154	105
	HEREFORDSHIRE. (Area, 840 sq. mi.)								
	1.—WYE. 685 sq. mi.								
d	Broad Oak (Glanmonnow House)	Brig.-Gen. T. R. F. Bate	5	0 10	500	...	29·45	...	114
d	Llangarron (Tre Evan)	Colonel C. R. B. Owen	5	1 6	256	...	25·22	...	...
	Walford (Hill Court Gardens)	Mrs. G. R. Trafford	5	1 1	126	28·4	24·64	137	102
D	ROSS-ON-WYE (+A)	F. J. Parsons, Esq., for M.O.	5	1 0	223	28·2	22·96	143	91
D	Bridstow (Ashe Leigh)	Late Major W. Stanley R. Cox	5	1 6	220	27·4	24·17	143	99

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	HEREFORDSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—WYE—(*contd.*)								
D	Kentchurch Court	J. Lucas-Scudamore, Esq.	5	1 0	236	33·0	27·58	136	101
D	Perrystone Court	Lt.-Gen. Sir Sidney Clive	5	1 3	450	...	24·61	151	119
D	Much Dewchurch School	Miss J. Holley*	5	1 0	220	...	21·92	156	106
D	Vowchurch (Ladywell House)	A. S. Wood, Esq.	5	1 0	400	34·9	25·04	169	105
D	Michaelchurch Escley (Llan Rosser)	J. M. Maddy, Esq.*	5	1 0	1125	...	32·82	166	113
d	Hampton Bishop	G. W. Hill, Esq.*	5	1 0	145	...	19·36	...	...
d	Hereford (Belmont Abbey)	The Abbot	5	1 0	260	27·5	20·63	...	...
D	Hereford (Sewage Works)	F. Margerison, Esq., A.M.I.C.E.	5	1 0	167	...	20·15	120	88
D	Hereford (Breinton Court)	Mrs. R. E. H. Baily	5	1 0	238	25·9	22·68	156	106
D	Hereford (Kings Acre Road)	A. C. Quinn, Esq.	5	1 0	216	...	20·39	147	97
D	Tillington Fruit Farm	Co-op. Wholesale Soc. Ltd.	5	4 6	270	...	21·64	155	102
d	Burghill Hospital	Medical Superintendent	5	1 0	300	26·3	21·27	...	...
D	PRESTON WYNNE	Farm Director	5	1 0	274	...	21·07	142	107
D	Wellington (Yew Tree House)	Mrs. E. H. P. Jackson	5	1 0	185	...	23·37	162	109
D	Weobley (Garnstone)	Lt.-Col. R. N. H. Verdin	5	1 2	442	...	23·86	146	101
D	Sarnesfield Grange	Rev. W. Marshall	5	1 0	378	...	24·14	145	110
D	Hope under Dinmore	Cadbury Bros. Ltd.*	5	1 0	246	27·4	22·56	145	107
D	Pembridge (Moor Court)	Mrs. L. Benn	5	1 8	400	...	25·61	149	114
D	Bromyard (The Down House)	Capt. L. R. Hibbert	5	1 1	485	...	23·49	153	111
D	Lyonshall (The Croft)	Major R. J. Jones	5	1 0	474	...	27·98	156	107
D	LYONSHALL (The Whittern)	R. H. Green, Esq.	5	1 0	510	...	27·10	139	108
D	Monkland Cottage	Capt. N. J. Bengough	5	1 3	300	...	21·90	162	107
D	Kimbolton (Grantsfield)	Miss D. W. Hutchinson	5	1 0	424	28·4	21·29	128	104
D	Shobdon (Ty'n-y-Coed)	Miss Woodhouse	5	1 0	450	...	25·55	155	114
D	Leaminster (Croft Castle)	Major O. G. S. Croft	5	0 9	600	...	26·08	144	104
D	Presteigne (Middlemoor)	A. M. Wilson, Esq.	8	1 0	480	34·0	27·18	166	117
	2.—SEVERN. Right Bank Tributaries. 155 sq. mi.								
D	Newent (Kilcot)	Forestry Commission	8	1 6	170	...	23·12	146	115
d	Much Marcle (Hall Court)	Mrs. J. J. S. Powell	5	1 0	200	...	22·39	...	...
d	Ledbury (The Sladd)	Major R. E. Combe, M.C.	5	1 0	400	...	23·91	...	...
	Cradley School	R. G. Hughes, Esq.	5	0 9	250	...	(24·28)	...	...
D	Downton Castle (Estate Office)	MajorW.M.P.KincaidLenrox	5	0 9	456	...	24·54	154	105
	SHROPSHIRE. (Area, 1,343 sq. mi.)								
	1.—MERSEY. Weaver. 27 sq. mi.								
D	Adderley (Raven House)	Mrs. Edmond Browne	5	1 1	250	...	23·83	164	114
	2.—DEE. 30 sq. mi.								
D	Whitchurch (Fenns Bank)	F. W. Sanders, Esq.	8	1 0	271	27·1	23·19	153	111
D	Overton (Sodylt Hall)	W. S. Corbett Lowe, Esq.	5	3 0	267	29·7	23·02	208	100
	3.—SEVERN. Right Bank Tributaries. 722 sq. mi.								
D	Bucknell Vicarage	Rev. W. A. Woodhouse	5	1 0	480	...	25·63	153	109
	Ludlow (Hill Crest)	C. B. Marston, Esq.	5	1 6	350	...	25·65	...	...
D	Bromfield (Oakly Park)	Head Gardener	5	1 5	300	29·7	25·56	151	102
M	Cleobury Mortimer (Chilton)	Col. F. M. Tomkinson	5	2 0	410	...	27·18	...	...
D	Anchor (Kerry Forest)	Foresty Commission	5	0 10	1150	...	40·41	215	143
D	Burwarton (Dingle Leys)	R. B. C. Edwards, Esq.	5	0 11	730	...	27·19	167	114
D	Craven Arms (Westhope Cottage)	Lady Dyer	5	0 11	610	...	24·90	151	112
d	Lydbury North (Totterton)	Major W. H. B. Whitaker	5	0 10	700	30·8	26·39	...	...
d	Bishop's Castle (High School)	Headmaster	5	1 0	575	32·8	28·07	...	...

* *Per* Wye River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SHROPSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—SEVERN. Right Bank Tributaries—(*contd.*)								
	‖Bishops Castle (The Mount)	F. Lavender, Esq.	5	1	735	...	25·56	205	112
D	Church Stretton (Sewage Works)	Surveyor, U.D.C.	5	1	582	33·0	26·96	164	117
D	Bridgnorth (Silverdale)	H. E. Trevor, Esq.	5	1	245	...	21·67	140	99
D	Bridgnorth (Morville Hall)	Mrs. Bythell	5	1	300	...	21·88	150	106
D	Chirbury (Marrington Hall)	Brig. C. S. Price-Davies	5	1	490	29·5	23·89	127	104
D	Church Stretton (Woolstaston)	Mrs. E. E. Parry	5	1	745	31·9	25·25	148	104
D	Cressage (Harnage Grange)	E. W. Towler, Esq.	5	1	384	...	23·22	129	109
D	Meole Brace Hall	J. B. Hoare, Esq.	5	1	250	...	21·32	128	103
d	Shrewsbury (St. John's Hill)	Atcham R.D.C.	5	1	253	...	21·04	...	100
D	SHREWSBURY (Monkmoor)	Medical Officer of Health	8	1	184	24·7	22·04	153	105
	4.—SEVERN. Left Bank Tributaries. 564 sq. mi.								
D	Bridgnorth (Stanmore Hall)	The Hon. E. S. Hamilton-Russell	5	1	297	...	21·19	148	104
D	Hilton (Pumping Station)	B. L. McMillan, Esq., C.E.	5	1	168	...	20·93	134	106
D	Ackleton (The Folley)	H. J. Bath, Esq.	5	1	230	...	23·03	154	112
d	Pattingham (Kingslow Hall)	R. Tildesley, Esq.	5	1	300	...	22·36	137	108
D	Shifnal (Hatton Grange)	Head Gardener	5	1	262	26·1	25·03	136	118
D	Shifnal (Cosford Waterworks)	B. L. McMillan, Esq., C.E.	5	0 10	222	...	22·05	136	110
d	Wellington W.W. (Wrekin Reservoir)	Surveyor	8	1	478	25·7	29·00	...	108
D	Wellington (Wrekin College)	D. H. B. Pirkis, Esq.	5	0	340	...	24·26	141	110
	Wellington (Allscott)	British Sugar Corpn., Ltd.	5	0	200	...	22·81	160	102
D	NEWPORT (Harper Adams Ag. Coll.)	Principal	5	1	211	24·8	21·66	165	107
D	SHAWBURY Airfield (+A)	Meteorological Office	5	1	235	...	21·74	156	102
D	Newport (Chetwynd Park)	J. G. B. Borough, Esq.	5	0	230	28·3	22·91	...	107
D	Wem (Modern School)	Headmaster	5	0	260	...	23·41	165	119
d	Oswestry (Llanyblodwel)	Mrs. R. Dugdale	5	0	350	...	28·18	...	...
D	OSWESTRY (Filter Beds)	Liverpool Corporation W.W.	5	1	570	...	26·51	155	112
D	Oswestry (Llanforda Reservoir)	Liverpool Corporation W.W.	8	1	702	...	30·25	147	129
D	Oswestry (Mount Reservoir)	J. E. Taylor, Esq., C.E.	5	1	698	34·5	28·62	186	118
D	Oswestry (Llwyn Terrace) (+A)	J. E. Taylor, Esq., C.E.	5	1	430	...	26·54	174	112
D	Ellesmere (Sheraton House)	C. Adam, Esq.	5	0	10 300	...	24·51	148	107
	STAFFORDSHIRE. (Area, 1,166 sq. mi.)								
	1.—MERSEY. Weaver. 50 sq. mi.								
D	Madeley Vicarage	Rev. W. Garner*	5	1	0 350	...	27·42	176	127
D	Biddulph Grange	Secretary	5	1	0 560	33·8	30·43	169	138
	2.—SEVERN. Left Bank Tributaries. 160 sq. mi.								
D	Kinver	R. A. Robertson, Esq., C.E.	5	1	0 152	...	22·47	143	108
d	Lye (Pumping Station)	Messrs. Bateman, Gard & Whimster	5	1	0 245	...	24·02	...	...
D	Kinver (Prestwood)	R. A. Robertson, Esq., C.E.	5	1	0 179	...	20·65	140	104
D	Kingswinford (Ashwood Pumping Stn.)	R. A. Robertson, Esq., C.E.	5	1	0 207	24·9	23·38	145	105
D	Wolverhampton (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	5	0	9 323	...	23·45	141	111
d	Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	1	0 430	27·1	24·14	...	...
D	Tettenhall (Waterworks)	B. L. McMillan, Esq., C.E.	5	0	10 468	...	24·66	153	123
D	Shifnal (Weston Park)	The Earl of Bradford	5	1	6 400	27·3	22·91	167	117
d	Norbury Junction	British Waterways	5	1	0 331	28·0	24·70	...	...
D	MARKET DRAYTON (Loggerheads)	Cheshire Joint Sanatorium	5	1	0 581	...	26·92	164	123
d	Maer Hall Gardens	A. E. Berisford, Esq.	5	1	3 410	32·5	26·59	...	114

‖ Gauge over-sheltered. * *Per* Cheshire River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	STAFFORDSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—TRENT. Right Bank Tributaries.	**513 sq. mi.**							
D	Tividale (Sewage Disposal Works)	Messrs. Bateman, Gard & Whimster	5	1 0	432	...	25·04	161	114
D	West Bromwich (Dartmouth Park)(+A)	Borough Surveyor	8	1 7	543	26·2	24·20	136	109
D	Tipton (Toll End Sewage Works)	Manager	5	1 0	400	...	23·86	168	106
D	Wednesbury (Ocker Hill)	British Waterways	5	1 0	476	26·6	22·83	142	114
D	Walsall (Bescot Sewage Farm)	M. E. Habershon, Esq.	5	0 11	387	26·9	23·97	153	110
D	Darlaston (Sewage Works)	S. E. Hammonds, Esq.	8	1 6	393	...	21·79	155	109
d	Willenhall (Sewage Works)	Engineer & Surveyor	5	0 10	390	...	20·41	...	...
D	Bilston (The Lunt Outfall)	Works Manager	8	1 0	410	27·3	28·22	157	116
D	WALSALL (Dartmouth Avenue)	J. C. W. Day, Esq.	5	1 0	455	...	24·22	164	117
D	Aldridge (Bourne Vale)	R. A. Robertson, Esq., C.E.	5	1 0	419	25·1	21·72	145	111
D	Codsall (Suckling Green Lane)	P. W. Iliff, Esq.	5	1 0	410	...	24·64	166	121
D	OAKEN (Manor House)	A. J. Parkes, Esq., M.C.	5	1 1	409	...	24·31	147	117
D	Shenstone (Little Hay)	R. A. Robertson, Esq., C.E.	5	1 0	298	...	22·76	156	118
D	Bloxwich (Sneyd Reservoir)	British Waterways	5	1 0	507	25·5	23·09	151	108
D	Pelsall (Goscote Sewage Works)	M. E. Habershon, Esq.	5	1 0	435	...	23·92	150	113
D	Brownhills (Sandhills)	R. A. Robertson, Esq., C.E.	5	1 0	407	...	22·82	142	111
D	Brownhills	Engineer & Surveyor	5	1 8	492	26·8	22·09	150	106
D	Cannock (Great Wyrley)	R. Sambrook, Esq.	5	1 0	420	...	23·88	180	114
d	Brewood (Slade Heath Pumping Station)	R. A. Robertson, Esq., C.E.	5	1 0	340	25·4	23·23	...	108
D	Hammerwich (Cannock Chase Res.)	British Waterways	5	1 0	475	25·3	23·37	167	105
D	Whittington (Old Hall)	Mr. E. J. L. Lockyer	5	1 3	221	...	19·90	137	108
D	§Cannock (Longford Rd. Sew. W.)(+A)	Cannock U.D.C.	5	1 0	400	...	22·22?	146	117
D	Hednesford (Gentleshaw)	R. A. Robertson, Esq., C.E.	5	1 0	744	...	25·61	179	119
d	Brewood (Belvide Reservoir)	British Waterways	5	1 0	367	...	25·81	...	...
d	Elford	M. Nixon, Esq., C.E.	5	1 0	183	...	18·59	...	...
D	Hednesford (Pye Green)	R. A. Robertson, Esq., C.E.	5	1 0	768	...	25·98	159	118
D	Lichfield (Hanch Reservoir)	R. A. Robertson, Esq., C.E.	5	1 0	259	26·9	22·22	151	105
D	Alrewas (C. E. School)	Headmaster	5	0 6	200	...	21·67	146	112
D	Rugeley (Slitting Mill)	R. A. Robertson, Esq., C.E.	5	1 0	299	...	23·62	151	109
D	Rugeley (Brindley Bank)	R. A. Robertson, Esq., C.E.	5	1 0	254	26·6	21·85	160	107
D	Milford (Waterworks)	G. J. Plant, Esq.	5	1 0	246	27·5	24·65	164	110
D	Stafford (Newport Road)	Dr. J. C. Burne	5	1 0	250	...	23·27	160	103
D	Stafford (Victoria Pleasure Ground)	G. J. Plant, Esq.	5	1 6	245	27·2	22·60	181	107
D	Yarlet Hall	K. E. Tarling, Esq.	5	1 0	405	...	26·24	168	121
D	Eccleshall (Sugnall Hall)	C. E. Lowe, Esq.	5	1 0	450	...	27·18	149	118
D	Standon (Hatton Waterworks)	G. V. Brown, Esq., C.E.	5	1 0	355	29·0	26·62	150	109
d	Whitmore (Pumping Station)	British Railways	5	1 3	396	...	25·83	...	...
D	KEELE (Univ. Coll. of North Staffs)(+A)	Prof. S. H. Beaver, M.A.	5	1 0	587	...	27·07	175	129
D	Hanley (Etruria)	Shelton Iron, Steel & Coal Co., Ltd.	5	1 0	423	...	28·89	171	131
	4.—TRENT. Left Bank Tributaries.	**193 sq. mi.**							
d	Hamstall Ridware (No. 1)	R. A. Robertson, Esq., C.E.	5	1 0	214	24·3	21·36	...	...
d	Hamstall Ridware (No. 2)	R. A. Robertson, Esq., C.E.	5	1 0	240	...	21·69	...	...
D	Mavesyn Ridware Rectory	Rev. W. F. Need	5	1 0	229	...	23·05	154	113
D	Burton Reservoir	R. A. Robertson, Esq., C.E.	5	1 0	309	25·1	22·91	147	107
D	Burton (Shobnall)	Bass, Ratcliff & Bretton, Ltd.	5	1 0	157	24·6	22·14	163	113
D	Burton-on-Trent (Outwoods)	R. A. Robertson, Esq., C.E.	5	1 0	310	26·1	23·22	163	112
D	Burton (Outwoods Hospital)	Medical Officer of Health	5	1 0	220	25·9	24·48	192	111
D	Blithfield Reservoir	R. A. Robertson, Esq., C.E.	5	1 0	273	...	22·85	149	104
d	Abbots Bromley (Port Fields)	R. A. Robertson, Esq., C.E.	5	1 0	316	27·5	23·82	...	...
M	Newton (Booth)	R. A. Robertson, Esq., C.E.	5	1 0	360	...	23·77	...	...
M	Kingston	R. A. Robertson, Esq., C.E.	5	1 0	420	...	(23·83)	...	...
M	Gratwich (Caverswall Farm)	R. A. Robertson, Esq., C.E.	5	1 0	381	29·8	24·72	...	...

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	STAFFORDSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	4.—TRENT. Left Bank Tributaries—(*contd.*)								
M	Gratwich (Fradswell)	R. A. Robertson, Esq., C.E.	5	1	0 450	...	26·71	...	...
M	Leigh (Middleton Green)	R. A. Robertson, Esq., C.E.	5	1	0 597	31·8	28·06	...	...
M	Leigh (Lane Farm)	R. A. Robertson, Esq., C.E.	5	1	0 500	30·9	26·43	...	...
M	Fulford Manor	R. A. Robertson, Esq., C.E.	5	1	0 710	31·0	26·46	...	...
D	§Draycott (Cresswell Pumping Station)	C. V. Brown, Esq., C.E.	5	1	0 538	...	27·65	189	119
M	Caverswall (Hardwick Farm)	R. A. Robertson, Esq., C.E.	5	1	0 810	...	27·71	...	...
M	Longton (Hulme)	R. A. Robertson, Esq., C.E.	5	1	0 710	...	28·98	...	...
D	Hanley (Sewage Works)	W. H. Makepeace, Esq.	5	1	0 386	...	26·62	163	121
D	Werrington (Wallmires Pumping Stn.)	Cheadle R.D.C.	5	1	0 761	34·6	29·40	192	134
	5.—TRENT. Dove. 250 sq. mi.								
D	Uttoxeter	C. H. Elkes & Sons, Ltd.	5	1	0 295	29·7	24·74	149	116
M	Dilhorne (Richmoor Hill)	R. A. Robertson, Esq., C.E.	5	1	0 919	34·1	30·76	...	...
D	Leek (Moorhill)	Lt.-Col. G. J. Worthington	5	1	0 680	37·2	32·52	187	153
D	Leek (Tittesworth)	C. V. Brown, Esq., C.E.	5	1	0 657	...	32·62	182	148
M	Leek (Withens, Upper Hulme)	J. A. Gilchrist, Esq.	5	1	1 1084	39·0	32·44	...	...
	WORCESTERSHIRE. (Area, 732 sq. mi.)								
	1.—SEVERN. Right Bank Tributaries. 222 sq. mi.								
D	Upton-on-Severn (Berryfield House)	Dr. W. V. Naish	5	1	0 50	...	21·56	142	101
d	Malvern (British Camp Reservoir)	Malvern U.D.C.	5	1	0 677	28·5	24·69	...	110
D	MALVERN (Free Library)	Malvern U.D.C.	5	1	0 380	27·6	25·20	152	110
D	West Malvern	Malvern U.D.C.	5	1	0 832	28·9	26·46	150	119
D	Worcester (Diglis Lock)	British Waterways	5	0	7 48	24·7	21·64	136	103
d	Shelsley Beauchamp	W. Lionel Moore, Esq.	5	0	9 132	...	21·61	...	...
D	Ombersley (Holt Lock)	British Waterways	5	1	0 55	25·3	22·30	147	101
D	Tenbury (Belle Vue)	Miss M. M. Lowe	5	1	0 315	26·3	23·60	152	111
D	Bewdley (Ribbesford)	Camp Superintendent	5	1	0 516	...	25·58	156	109
	2.—SEVERN. Left Bank Tributaries. 200 sq. mi.								
D	Kempsey (Kingshurst)	Dr. M. Clover	5	1	0 54	...	22·00	146	107
D	WORCESTER (REDHILL)	Worcester A.E.C.	5	1	0 190	...	21·07	143	100
D	Worcester (Waterworks)	City Engineer	5	1	0 57	23·2	18·56	145	97
d	Worcester (Samuel Southall School)	Headmaster	5	1	0 147	...	18·52	...	...
D	Worcester (Bevere Lock)	British Waterways	5	1	0 51	24·5	22·30	141	105
D	DROITWICH (Sewage Works)	Boro. Engineer & Surveyor	5	1	0 106	25·4	18·64	134	108
D	Bromsgrove (Tardebigge Reservoir)	British Waterways	5	1	0 455	27·5	24·70	164	118
d	Bromsgrove (Sewage Disposal Works)	Bromsgrove U.D.C.	5	1	6 280	...	23·33	...	116
D	Bromsgrove (Burcot Pumping Stn.)	F. H. Bullock, Esq.	5	1	0 432	...	22·25	142	108
D	Barnt Green (Linthurst Road)	Miss M. Gibbins	5	1	0 650	...	26·94	155	122
D	Stourport (Lincombe Lock)	British Waterways	5	1	0 62	25·6	24·27	134	107
D	Bromsgrove (Washing Stocks P. S.)	F. H. Bullock, Esq.	5	1	0 366	...	25·75	149	116
D	Bewdley (C.E. School)	P. H. Pritchard, Esq.	8	1	5 70	26·4	24·17	142	106
d	Kidderminster (Pumping Station)	Sanitary Inspector	5	1	0 178	...	22·29	...	...
d	Kidderminster (St. John's Avenue)	H. Hodgkinson, Esq.	5	1	0 250	...	24·07	139	109
D	Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1	0 200	25·7	25·50	156	117
d	Kidderminster (Wolverley Road)	R. D. M. Evers, Esq.	5	1	3 245	...	24·61	...	...
D	Bewdley (Elan Aqueduct)	C. A. Risbridger, Esq., C.E.	5	1	0 91	26·7	22·98	142	119
D	Clent Hall	Miss H. M. Wilson	5	1	0 600	...	27·41	178	123
d	Wolverley (Hill House)	J. C. Wilson, Esq.	5	1	0 250	...	23·85	...	105
D	Halesowen (Romsley)	R. A. Robertson, Esq., C.E.	5	1	0 616	30·6	30·26	127	116
D	Halesowen (Hayley Green)	C. Roberts, Esq.	5	1	0 509	...	26·55	132	114
D	Pedmore (Beckman Road)	A. Porter, Esq., B.Sc.	5	1	0 415	26·5	24·82	148	110

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	WORCESTERSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—SEVERN. Left Bank Tributaries—(*contd.*)								
D	Stourbridge (Pumping Station)	Stourbridge Drainage Board	8	1 0	212	27·1	28·03	157	102
D	Wollaston (Wood Street)	H. Little, Esq.	5	1 0	275	...	23·28	138	105
D	Wollaston (Coalburn Pumping Stn.)	J.S.Brown,Esq.,M.I.Mun.E.	5	1 0	225	...	23·85	142	105
d	Dudley (Blue Coat Sec. Mod. School)	S. Wright, Esq.	5	1 3	660	...	25·85	...	...
	3.—SEVERN. Upper Avon. 251 sq. mi.								
D	Bredon (Bredon House)	Col. M. F. Grant	5	1 1	120	24·5	20·93	157	109
d	Broadway (Farncombe)	G. Pemberton, Esq.	5	0 5	750	27·5	23·72	...	110
D	Evesham (Bengeworth)	Ross Bros., Ltd.	5	1 0	128	22·9	21·48	145	107
D	Evesham (Bretforton Manor)	H. Ashwin, Esq.,	5	1 0	130	24·5	22·27	169	112
d	Evesham (Sewage Works)	Borough Surveyor	5	1 9	85	22·6	21·94	...	110
D	Evesham (High Street)	N. A. Field, Esq.	5	1 2	135	23·1	21·33	152	111
d	Evesham (Port Street)	W. J. Craven & Co. Ltd.	5	1 0	72	...	20·86	...	...
D	Pershore (Inst. of Horticulture)	Principal	5	0 9	...	...	23·91	153	109
D	Pershore (Three Springs)	C. A. Mumford, Esq.	5	4 6	72	23·4	22·86	145	116
D	Crowle (Manor House)	Miss C. Moore	5	1 0	116	23·1	20·33	131	103
	Alcester (Cookhill)	T. Barber, Esq.	5	1 0	400	24·5	24·30	145	...
D	Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1 0	469	27·7	24·28	162	118
D	Bromsgrove (Brockhill Pumping Stn.)	F. H. Bullock, Esq.	5	1 0	439	...	23·23	177	114
D	Bromsgrove (Lower Bittall Reservoir)	British Waterways	5	1 0	457	28·9	25·49	163	122
	4.—THAMES. Windrush & c. 3 sq. mi.								
	5.—TRENT. Right Bank Tributaries. 56 sq. mi.								
D	Oldbury (Barnford Hill Park)	Borough Surveyor	5	0 9	607	...	26·74	141	114
D	Dudley (Tipton Road)	Borough Engineer	8	1 0	490	...	24·15	159	109
D	Dudley (Shavers End)	R. A. Robertson, Esq., C.E.	5	1 0	745	...	26·80	161	122
	WARWICKSHIRE. (Area, 944 sq. mi.)								
	1.—SEVERN. Upper Avon. 640 sq. mi.								
d	Long Compton (Weston Park)	Mrs. H. B. Warriner	8	1 0	510	26·5	21·23	...	112
D	SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq.	5	1 0	364	24·7	22·02	163	109
d	‖Tredington	Mrs. N. H. Walton	5	1 0	300	...	18·82	...	...
D	Bidford on Avon (Bowood)	A. H. Brunwin, Esq.	5	0 8	200	...	21·56	144	115
D	LUDDINGTON	Farm Director	5	1 0	150	...	20·93	145	100
d	STRATFORD-ON-AVON (Drayton Manor)	Director, Grassland Imp. Stn.	5	1 0	160	23·7	22·51	124	108
D	Stratford-on-Avon (Milcote)	P. C. Smart, Esq., C.E.	5	1 6	122	23·6	21·54	146	105
D	Stratford-on-Avon (Thurlaston)	Miss M. A. Everard	5	1 0	135	24·2	22·15	174	109
D	Stratford-on-Avon (WELLESBOURNE Gr.)	G.A.Barton,Esq.,F.R.Met.S.	5	1 0	131	23·9	21·63	174	106
	Bidford (Moor Hall)	Miss M. R. Cubberley	5	1 0	200	24·0	20·77	...	...
D	WELLESBOURNE	Director (Nat. Veg. Res. Stn.)	5	1 0	153	...	20·95	154	101
d	Alcester (Surveyor's Office)	Alcester R.D.C.	8	1 6	140	24·5	21·30	...	110
D	Alcester (Arrowside)	J. B. Shewell, Esq.	5	1 4	148	...	20·40	148	104
D	Ashorne (Victoria Cottage)	G. T. Osborn, Esq.	5	1 0	160	24·7	19·28	144	105
D	Stratford-on-Avon (Snitterfield)	P. C. Smart, Esq., C.E.	5	1 6	274	25·2	21·54	142	103
D	Alcester (The Pleck)	Miss C. E. Chapman	5	0 10	250	24·4	20·93	142	107
D	Southam (Banbury Road)	C. W. Arkell, Esq.	5	1 0	250	24·9	19·50	152	103
D	Studley (Watts Road)	P. J. Harris, Esq.	5	1 0	250	...	22·92	159	113
D	Studley College	Headmistress	5	0 9	256	25·1	21·42	146	107
D	Warwick (Mill Street)	Mr. H. F. Smale	5	1 0	197	25·3	19·88	146	105
D	Warwick (St. Nicholas Park)	R. Wormell, Esq., C.E.	5	1 0	155	...	20·56	155	104
D	LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health	8	1 0	163	24·0	19·59	153	103
d	Warwick (Hatton)	British Waterways	5	1 0	400	26·7	21·73	...	103
D	Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq.	8	1 0	200	25·3	20·57	150	106

‖ Gauge over-sheltered.

DIVISION VI—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	WARWICKSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—SEVERN. Upper Avon—(*contd.*)								
D	Dunchurch Hall	C. L. D. Fawcus, Esq.	5	1	1 400	24·6	20·68	152	106
D	Kenilworth (U.D.C. Offices)	Surveyor	5	1	6 294	...	23·06	155	112
D	Stretton-on-Dunsmore (Manor House)	L. Lister-Kaye, Esq.	5	1	0 280	26·1	20·93	164	106
D	Rugby (Bilton Grange)	Mr. L. W. Bass	5	1	0 400	25·0	20·22	153	116
D	Rugby (Clifton Road)	R. H. W. Flower, Esq.	5	1	0 390	...	19·39	144	95
D	Rugby (Avon Waterworks)	Borough Engineer	5	0	8 285	24·2	20·50	146	110
D	Ryton-on-Dunsmore (Ryton House)	Late Mrs. M. L. Browett	5	1	2 260	26·0	22·05	156	107
D	Coventry (Stoke)	E. H. Hodgkins, Esq.	5	1	0 267	...	22·40	133	112
D	COVENTRY (City Hospital)	Medical Officer of Health	8	1	0 241	26·0	20·89	146	113
d	Coventry (Belvedere Road)	H. G. Ellinger, Esq.	5	1	0 362	...	22·02	...	...
D	Nuneaton (Bedworth Waterworks)	Waterworks Manager	5	1	1 346	27·1	21·08	144	105
d	Astley Vicarage	Rev. I. F. H. Carr-Gregg	5	1	0 440	27·8	22·45	...	...
	2.—THAMES. Windrush & c. 2 sq. mi.								
	3.—THAMES. Cherwell. 15 sq. mi.								
	4.—TRENT. Right Bank Tributaries. 287 sq. mi.								
D	Coventry (Balsall Common)	W. F. E. Seeley, Esq.	5	1	8 385	...	22·17	161	112
d	Hampton in Arden (Eastcote)	J. H. Aston, Esq.	8	1	2 500	...	22·34	...	...
D	Highters Heath Reservoir	C. A. Risbridger, Esq., C.E.	5	1	0 517	...	24·22	160	119
D	Solihull (Station Road)	Engineer & Surveyor	5	1	0 424	...	22·17	142	112
D	Halesowen (Frankley)	C. A. Risbridger, Esq., C.E.	5	0	10 571	30·7	25·20	161	119
D	Northfield (Bartley Reservoir No. 1)	C. A. Risbridger, Esq., C.E.	5	1	0 600	...	28·03	166	117
D	Bartley (Bromwich Wood)	C. A. Risbridger, Esq., C.E.	5	1	0 611	...	28·17	166	119
D	BIRMINGHAM (SPARKHILL)	D. H. Owen, Esq.	5	1	0 425	28·1	23·70	161	112
D	ELMDON (Birmingham Airport) (+A)	Meteorological Office	5	0	11 324	...	20·48	142	104
D	EDGBASTON (King Edwards School)	Meteorological Observer	5	1	0 450	...	22·59	150	112
D	BIRMINGHAM (Edgbaston Observatory)	Birmingham Midland Inst.	5	1	0 535	26·5	24·62	156	115
D	Birmingham (Rotton Park)	British Waterways	5	1	0 477	...	21·65	138	110
D	Birmingham (Stetchford)	Birmingham Drainage Board	5	1	3 302	...	22·65	149	113
D	Birmingham (Handsworth)	D. M. Evans, Esq.	5	1	0 469	...	23·70	159	115
D	Birmingham (Saltley Sewage Works)	Birmingham Drainage Board	5	1	0 292	...	23·13	143	117
D	Birmingham (Handsworth Park) (+A)	City Engineer	8	1	4 424	...	24·37	158	118
D	Handsworth (Howard Road)	R. Westwood, Esq.	5	0	9 368	...	23·28	167	114
D	Coleshill Works	Birmingham Drainage Board	5	1	0 238	...	22·47	157	115
D	Whitacre (Birmingham Waterworks)	C. A. Risbridger, Esq., C.E.	5	1	0 269	26·0	22·36	171	113
D	Whitacre (Station Road)	T. C. Lycett, Esq.	5	1	0 233	...	21·64	144	102
D	Birmingham (Erdington)	C. A. Risbridger, Esq., C.E.	5	1	0 442	...	24·10	167	114
D	B'gham (Erdington, Spring La) (+A)	City Engineer	8	1	0 386	...	23·56	159	114
D	Minworth Greaves	Birmingham Drainage Board	5	1	0 258	24·3	21·85	150	108
D	Nuneaton (Pumping Station)	G. Ashton, Esq., C.E.	5	1	3 269	...	21·79	160	105
d	Sutton Coldfield (Maney)	J. S. Matthewman, Esq.	5	0	9 400	...	22·80	149	110
D	Perry Barr Reservoir	C. A. Risbridger, Esq., C.E.	5	1	0 515	...	23·51	163	117
d	Nuneaton (Hartshill Sewage Works)	G. Ashton, Esq., C.E.	5	1	2 288	...	21·37	...	100
d	Hartshill (Maintenance Depot)	British Waterways	5	3	0 304	...	22·53	...	...
d	Sutton Coldfield (The Park)	Borough Surveyor	5	1	0 370	26·4	21·56	...	...

DIVISION VII—NORTH MIDLAND COUNTIES

	LEICESTERSHIRE. (Area, 824 sq. mi.)									
	1.—SEVERN. Upper Avon. 41 sq. mi.									
D	South Kilworth (Stanford Reservoir)	Borough Engineer	5	0	8 367	26·5	23·42	164	110
D	Welford Reservoir	British Waterways	5	2	0 425	25·1	23·42	215	114
d	North Kilworth (Waterworks)	Market Harborough U.D.C.	5	1	0 490	...	21·52	...	...
d	Lutterworth (Waterworks)	Surveyor	8	1	9 365	25·9	22·62	151	113

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	LEICESTERSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—WELLAND. 96 sq. mi.								
d	Market Harborough (Nithsdale Ave.)	Mrs. Heggs	5	1 2	230	...	23·12	...	...
d	Market Harborough (Coventry Road)	G. C. Wooldridge, Esq.	5	1 0	270	...	22·79	163	103
D	Market Harborough (Grammar Sch.)	Headmaster	5	1 2	345	...	21·71	146	89
d	Kibworth Harcourt	Major A. E. Briggs	8	1 2	408	...	23·07	143	117
D	Caldecott (Eye Brook Reservoir) (+A)	Corby & District Water Co.	8	1 3	187	23·8	20·01	144	98
	3.—WITHAM. 7 sq. mi.								
	4.—TRENT. Right Bank Tributaries. 680 sq. mi.								
D	Frolesworth	W. P. Widdowson, Esq.	5	1 0	370	25·3	21·52	177	105
D	Hinckley (Bowling Green Road)	S. Webster, Esq.	5	1 0	400	26·2	22·12	151	114
D	Wistow Hall Gardens	Lord Cottesloe, C.B.	5	1 0	309	23·6	22·12	147	110
D	Countesthorpe (Wigston Sewage Fm.)	Surveyor	8	0 9	257	22·8	21·92	164	122
D	Leicester (Stoughton Drive North)	M. Murray, Esq.	5	1 0	240	...	21·58	148	104
D	‖Leicester (De Montfort Square) (+A)	City Engineer	5	1 0	250	...	20·33	140	102
D	Leicester (Hinckley Road Nurseries)	E. A. Bonser, Esq.	5	1 0	212	...	20·51	148	98
D	Leicester (Woodville Road)	E. A. Bonser, Esq.	5	1 0	200	...	20·52	152	102
D	Leicester (Towers Hospital)	Management Committee	8	1 0	266	24·2	23·27	152	108
D	Leicester (Gilroes Cemetery)	City Engineer	5	1 0	294	...	21·06	137	101
D	Osbaston Hall	Sir Thomas Cope, Bart.	5	1 0	390	...	23·13	159	106
d	Lowesby Hall Gardens	Head Gardener	5	0 9	500	26·3	20·68	...	...
D	Thornton Reservoir	Leicester Waterworks	8	1 2	370	26·2	22·52	148	108
D	Cropston Reservoir	Leicester Waterworks	8	1 0	245	27·2	22·81	154	107
d	Barkby Hall	Victor R. Pochin, Esq.	5	1 0	227	24·5	20·52	133	97
D	Ulverscroft (Chitterman House)	C. Booth, Esq.	5	0 11	666	...	25·05	180	110
D	Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	5	1 0	240	...	19·59	138	108
D	Swithland Reservoir	Leicester Waterworks	8	1 0	171	26·0	22·99	161	108
D	Melton Mowbray (White Lodge)	H. K. Barker, Esq.	5	1 0	237	22·9	22·41	138	102
D	Charnwood Forest (Blackbrook Res.)	W. Granger, Esq., C.E.	5	1 0	379	26·4	23·50	151	118
D	Loughborough (Nanpantan Res.)(+A)	W. Granger, Esq., C.E.	5	1 0	269	26·1	23·34	139	98
D	Loughborough (Fairmount Drive)	B. N. Wale, Esq., B.Sc.	5	1 0	210	...	21·43	141	94
D	Loughborough (The Widenings)	Mrs. Adeline Butler	5	1 0	197	24·5	20·00	140	100
D	Loughborough (Sewage Farm)	W. Granger, Esq., C.E.	8	1 0	135	23·1	22·12	126	91
	Scalford	Melton Mowbray U.D.C.	8	0 10	343	...	22·96	...	...
D	Waltham-on-the-Wolds	V. E. Higgens, Esq.	5	1 1	570	...	21·76	164	106
	RUTLAND. (Area, 152 sq. mi.)								
	1.—WELLAND. 125 sq. mi.								
D	Ketton	Mrs. K. Burroughes	5	1 0	106	...	21·62	165	103
D	Cottesmore Airfield (+A)	Meteorological Office	5	1 0	440	...	19·47	138	95
	2.—WITHAM. 5 sq. mi.								
	3.—TRENT. Right Bank Tributaries. 22 sq. mi.								
	LINCOLNSHIRE. (Area, 2,645 sq. mi.)								
	1.—NENE. 99 sq. mi.								
D	Tydd (North Level Sluice)	Mr. S. Watson	5	1 0	10	23·3	23·28	190	105
d	Sutton St. James (Clifton's Bridge)	S. Holland Drainage Board	5	1 0	8	...	18·48	...	99
D	Sutton Bridge	S. Holland Drainage Board	5	1 0	21	...	21·40	155	112
d	Sutton Bridge (Wingland Grange)	A. H. Cooke, Esq.	5	1 0	12	...	19·46	...	...
d	Spalding (Weston St. Mary)	S. Holland Drainage Board	5	1 0	10	...	19·30	...	102

‖ Gauge over-sheltered.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	LINCOLNSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—WELLAND. 341 sq. mi.								
D	Market Deeping (Wilsthorpe)	F.J.Smith,Esq.,M.B.E.,C.E.	8	1 0	51	*20·9*	18·01	132	82
d	Barholm	W. Thurlby, Esq.	5	1 2	45	...	17·75	...	...
D	Deeping St. Nicholas	T. R. Pick, Ltd.	5	0 9	13	...	19·38	131	102
D	Careby (School House)	R. Barbary, Esq.	5	1 0	158	...	18·93	134	89
D	Spalding (Pode Hole)	S. Holland Drainage Board	8	1 3	12	23·5	23·25	185	103
d	Spalding (Grammar School)	Headmaster	5	1 0	15	...	21·47	...	93
D	Bourne (Guthram)	L. I. Clark, Esq., C.E.	5	1 0	15	*21·1*	20·10	130	91
d	Whaplode (Irby Hall Farm)	T. R. Pick, Ltd.	5	0 10	11	...	18·63	...	...
D	Holbeach (Manor Farm)	F. H. Bowser, Esq.	5	1 0	10	...	21·49	132	103
D	Holbeach (Willow Tree Farm)	F. H. Bowser, Esq.	5	2 1	10	...	20·21	139	105
	3.—WITHAM & C. 1,085 sq. mi.								
D	Denton	Culverthorpe Dairy Farms	5	1 6	300	...	20·10	137	100
d	Billingborough	N. Hodgkinson, Esq.	5	0 10	50	...	19·79	...	91
D	Grantham (Saltersford Pump Stn.)	Manager	5	0 6	188	*24·1*	20·51	159	105
D	Kirton	W. Dennis & Sons, Ltd.	5	1 0	12	...	21·94	154	103
d	Culverthorpe Hall	Lt.-Col. F.E.S. Bowlby, M.C.	5	1 2	116	...	20·77	...	97
D	Wyberton (Tytton Hall)	L. I. Clark, Esq., C.E.	5	1 0	10	...	23·23	157	105
D	Wyberton (Slippery Gowt Farm)	J. T. Cannon, Esq.	5	1 0	10	...	22·11	146	100
D	Boston (Black Sluice, Skirbeck)	F. H. Tomes, Esq.	8	1 3	11	22·8	21·58	151	108
D	Boston (Cooks Lock)	L. I. Clark, Esq., C.E.	5	1 6	11	...	21·57	150	106
D	Boston (Church Road Pump. Stn.) (+A)	Borough Surveyor	5	1 0	8	...	21·82	130	108
D	BOSTON (Freiston Road)	N. H. Middlebrook, Esq.	5	1 0	16	...	22·35	153	109
D	Boston (Grand Sluice)	F. H. Tomes, Esq.	8	0 9	17	*22·9*	21·47	152	104
D	Boston (Amber Hill)	G. Graves, Esq.	5	1 0	18	...	20·58	139	103
D	Boston (Cowbridge)	G. E. Buchner, Esq., C.E.	5	1 0	9	...	21·28	151	108
d	Old Leake (Leverton)	G. E. Buchner, Esq., C.E.	5	1 3	10	...	20·39	...	101
D	CRANWELL Airfield (+A)	Meteorological Office	8	1 0	203	23·2	17·84	132	89
d	Carrington (Hakerley Bridge Farm)	T. R. Pick, Ltd.	5	1 0	12	...	21·59	...	...
d	Ruskington	B. E. Brighton, Esq.	5	1 7	30	...	16·85	...	85
d	Sibsey (Main Road)	T. H. Allewell, Esq.	5	1 0	20	...	21·49	...	...
d	New Leake (Lade Bank Engine)	G. E. Buchner, Esq., C.E.	5	1 3	13	*22·6*	20·69	...	105
D	Carrington Grange	J. Ward, Esq.	5	4 0	15	*23·4*	25·58	150	124
d	Norton Disney Vicarage	Rev. R. K. Roper	5	1 0	41	...	18·48	...	...
D	East Kirkby Manor	Capt. R. S. Fieldsend	5	1 0	35	*23·8*	23·93	159	105
D	Revesby Reservoir	D. H. Ball, Esq.	5	2 0	124	24·5	24·20	142	107
d	Woodhall Spa (Waterworks)	Clerk to the Council	5	1 6	45	...	21·93	141	103
D	Potterhanworth (Old Hall)	T. H. N. Battle, Esq.	5	0 10	50	...	20·75	156	104
D	Horncastle	F. J. Harvey, Esq.	5	1 0	120	*24·8*	22·68	143	107
D	Lincoln (Swallowbeck)	W. R. Pennell, Esq.	8	1 0	34	*22·9*	19·30	145	97
D	Bardney (Sugar Factory)	British Sugar Corp., Ltd.	5	1 0	17	...	19·75	139	96
D	Lincoln (Skellingthorpe Hall)	Mrs. Bergne-Coupland	5	1 0	40	23·1	18·44	134	97
D	Lincoln (Pyewipe Pumping Station)	J. Barnatt, Esq., C.E.	5	1 0	16	...	19·54	154	88
D	LINCOLN (West Common) (+A)	City Engineer & Surveyor	5	1 0	25	...	19·57	155	100
D	Lincoln (Burton Road)	G. W. Valley, Esq.	5	1 6	250	...	22·30	143	99
D	Lincoln (Saxilby)	J. Barnatt, Esq., C.E.	5	1 6	25	...	18·38	144	96
D	Dunholme (Field Station)	Dr. R. Hull	5	0 9	100	...	20·41	148	97
D	Hackthorn Hall	Lt.-Col. W. Cracroft-Amcotts	5	4 10	102	*23·2*	21·76	157	102
	4.—GREAT EAU & C. 443 sq. mi.								
d	Eastville	G. E. Buchner, Esq., C.E.	5	1 3	3	...	19·37	...	...
D	Firsby	G. E. Buchner, Esq., C.E.	5	1 0	26	...	20·74	146	101
D	SKEGNESS (Marine Gardens)	Surveyor	8	1 0	15	23·3	21·18	131	101
D	Hagworthingham (Manor House)	G. W. Clark, Esq.	5	1 0	200	*27·2*	24·03	161	97
D	Spilsby (Fordington Waterworks)	D. H. Ball, Esq.	5	1 6	180	...	22·67	141	102

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	LINCOLNSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—GREAT EAU & C.—(*contd.*)								
D	MANBY Airfield	Meteorological Office	5	1 0	55	...	20·48	147	88
D	Wold Newton Manor	W. Maurice Wright, Esq.	5	1 6	230	*27·2*	24·18	160	106
D	Grainthorpe (County School)	Headmaster	5	1 0	9	...	21·20	151	96
d	North Cotes	Raymond Caudwell, Ltd.	5	1 0	10	...	21·55	...	...
	5.—HUMBER. Right Bank Tributaries. 428 sq. mi.								
D	Claxby (Osgodby)	Lincs River Board	5	1 0	70	...	20·54	149	95
d	Brigg (Scawby Hall)	Col. O. S. Nelthorpe, C.B.E.	5	1 0	40	...	20·47	141	93
D	Brigg (Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	134	...	20·96	153	99
D	Brigg (Wrawby Road)	A. R. Haynes, Esq.	5	1 1	22	24·8	20·46	132	93
D	Cleethorpes (Outfall Pumping Stn.)	Borough Engineer	8	1 0	25	...	18·55	139	90
D	Cleethorpes (Sydney Park)	Borough Engineer	8	1 0	11	...	20·43	157	115
D	CLEETHORPES (Kings Parade)	Borough Engineer	5	1 0	23	*24·0*	20·28	134	91
D	Grimsby (Little Coates Pumping Stn.)	Engineer & Manager	5	1 0	14	...	20·98	144	99
D	Brocklesby Park	Head Gardener	5	1 9	50	*27·0*	21·42	139	102
D	HABROUGH (Home Farm)	R. J. Blakeborough, Esq.	5	1 0	50	...	21·05	135	98
D	Immingham (Compressor Station)	Grimsby R.D.C.	5	1 1	13	...	19·14	135	97
D	Normanby	Major E. C. R. Sheffield	5	1 0	185	...	19·15	145	98
D	Ferriby Sluice	K. Straw, Esq.	5	1 0	18	*24·5*	16·09	125	85
	6.—TRENT. Right Bank Tributaries. 172 sq. mi.								
d	Woolsthorpe	British Waterways	5	1 3	182	*23·4*	18·08	123	91
D	Torksey (Pumping Station)	R. Spencer, Esq.	8	1 6	16	*23·2*	18·19	139	94
D	Gate Burton Hall	Mr. J. Reader	5	4 0	97	*23·1*	21·27	119	93
	7.—TRENT. Left Bank Tributaries. 77 sq. mi.								
d	Wroot (S. Level Pumping Station)	M. Nixon, Esq., C.E.	5	1 6	7	...	15·97	...	...
D	West Butterwick (Croft House)	West Butterwick Drain. Bd.	5	1 0	20	...	18·32	124	97
d	Crowle (N. Level Pumping Station)	M. Nixon, Esq., C.E.	5	2 0	10	*22·0*	16·93	...	...
D	Keadby (Pumping Station)	M. Nixon, Esq., C.E.	5	1 0	20	...	18·58	133	77
	NOTTINGHAMSHIRE. (Area, 843 sq. mi.)								
	1.—WITHAM. 10 sq. mi.								
	2.—TRENT. Right Bank Tributaries. 218 sq. mi.								
D	SUTTON BONNINGTON	Univ. of Nottingham, Sc. of Ag.	5	1 0	157	21·7	19·20	139	97
D	Wysall (Wyn Hill)	J. D. Walker, Esq.	5	1 0	283	...	20·00	126	92
D	Kegworth (Kingston Hall)	Lord Belper	5	1 0	130	...	20·92	125	95
d	Nottingham (Wilford Hill Reservoir)	B. W. Davies, Esq., C.E.	8	1 0	295	23·1	19·89	...	...
d	West Bridgford	Engineer & Surveyor	5	1 0	80	...	21·05	...	...
D	Newark (The Friary)	W. P. Shewell, Esq., C.E.	5	2 0	48	23·4	18·45	142	90
D	Newark (Sewage Works)	W. P. Shewell, Esq., A.M.I.C.E.	5	1 0	33	...	17·36	120	96
d	Kelham (Sugar Factory)	British Sugar Corpn. Ltd.	5	1 0	40	...	18·21	111	94
	3.—TRENT. Derwent. 2 sq. mi.								
	4.—TRENT. Erewash. 42 sq. mi.								
D	Nottingham (Strelley)	Miss Edge	8	1 0	396	26·2	21·48	152	99
D	Nottingham (STRELLEY Hall)	Miss Edge	5	1 0	378	...	21·60	152	95
D	Eastwood (Waterworks)	B. W. Davies, Esq., C.E.	8	1 3	243	25·9	25·18	145	114
d	Eastwood Hall	National Coal Board	5	0 6	218	...	24·55	...	...
d	Eastwood (Moorgreen Reservoir)	British Waterways	5	2 0	301	27·4	23·44	...	...

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	NOTTINGHAMSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—TRENT. Left Bank Tributaries. 569 sq. mi.								
d	Beeston (Standards Laboratory)	Boots Pure Drug Co.	5	1 6	85	...	20·26	...	...
d	Beeston (Council Depot)	G. C. Hardy, Esq.	8	1 7	97	24·5	19·58	...	96
D	Beeston (Bramcote Drive)	H. E. Sansom, Esq.	5	0 10	149	...	23·45	157	95
d	Bramcote Reservoir	B. W. Davies, Esq., C.E.	8	1 0	327	...	21·70	...	...
D	Lenton (Experimental Station)	Boots Pure Drug Co.	5	1 0	160	...	20·23	127	95
D	Nottingham (Sneinton Pump. Stn.) (+A)	City Engineer & Surveyor	8	1 0	83	22·5	20·45	131	98
D	‖NOTTINGHAM (The Castle)	City Engineer & Surveyor	8	1 0	192	23·6	20·48	125	96
d	Nottingham (Colwick Sugar Factory)	British Sugar Corpn. Ltd.	5	0 9	70	...	20·98	...	...
d	Nottingham (Colwick Hill Reservoir)	B. W. Davies, Esq., C.E.	8	1 0	314	...	20·63	...	...
D	Nottingham (Stoke Bardolph)	City Engineer & Surveyor	8	1 0	66	22·6	18·61	133	94
d	Nottingham (Aspley)	G. Cawkell, Esq.	5	1 0	172	...	20·38	...	96
D	Nottingham (Basford Waterworks)	B. W. Davies, Esq., C.E.	8	1 0	168	24·0	20·75	144	102
D	Burton Joyce (Waterworks)	B. W. Davies, Esq., C.E.	8	1 0	65	25·2	18·26	137	97
D	Nottingham (Woodthorpe)	A. B. Tinn, Esq., F.R.Met.S.	5	1 0	225	24·0	20·40	148	102
d	Daybrook (Red Hill Reservoir)	B. W. Davies, Esq., C.E.	8	1 0	404	25·7	19·81	...	...
d	Daybrook (Ramsdale Hill Reservoir)	B. W. Davies, Esq., C.E.	8	1 0	504	28·1	20·39	...	...
D	Bulwell Hall Park	City Engineer & Surveyor	8	1 0	252	27·3	23·56	135	101
D	WATNALL (+A)	Meteorological Office	5	1 0	366	...	22·92	148	100
D	Papplewick (Waterworks)	B. W. Davies, Esq., C.E.	8	1 0	317	26·5	21·99	157	108
D	Southwell (The Nurseries)	H. Merryweather & Sons Ltd.	5	1 0	125	...	19·70	156	105
d	Blidworth (Silverland Farm)	G. H. Milner, Esq.	5	1 0	400	...	21·85	...	...
d	Sutton-in-Ashfield (Rushley Pump. Stn.)	P. W. Berridge, Esq.	5	1 0	425	27·1	21·03	...	92
D	Sutton-in-Ashfield (Sewage Wks.) (+A)	A. G. Dunks, Esq.	5	1 0	456	28·9	21·91	150	102
D	Mansfield (Rainworth Waterworks)	Engineer & Manager	5	0 9	349	26·8	20·69	154	100
D	Bilsthorpe (Rufford Pumping Station)	B. W. Davies, Esq., C.E.	8	1 0	277	...	19·57	151	94
D	MANSFIELD (Carr Bank)	Borough Surveyor	8	0 10	357	27·9	20·01	141	98
D	Clipstone (Waterworks)	Engineer & Manager	8	1 0	228	24·9	19·86	158	96
d	Edwinstowe (Laboratory)	National Coal Board	5	1 0	215	...	18·34	...	...
D	Ollerton (Boughton Waterworks)	B. W. Davies, Esq., C.E.	8	1 0	141	24·0	17·50	136	94
D	Budby	H. McAdoo, Esq.	5	1 0	160	...	18·14	158	92
D	WARSOP (GLEADTHORPE E.H. FARM)	Director	5	1 0	150	...	17·70	150	91
	Tuxford (Lound Hall)	Mr. C. W. Holliday	5	1 3	50	...	17·11	...	...
D	Welbeck Abbey	The Duke of Portland	8	1 0	196	...	17·04	158	89
d	Elkesley (Pumping Station)	Lincoln Waterworks	5	1 0	120	23·2	16·75	...	...
D	Worksop (Bracebridge Sewage Works)	C. O. Allsopp, Esq.	8	1 0	97	23·9	17·59	135	88
D	Worksop (Osberton Gardens)	Capt. R. H. Walker	5	1 6	85	22·8	18·64	134	99
D	Worksop (Sunnyside Waterworks)	C. O. Allsopp, Esq.	8	1 0	245	...	17·82	155	87
D	Retford (Sir Frederick Milner School)	Headmaster	8	4 6	50	...	18·11	130	82
D	Retford (Sewage Disposal Works)	Borough Surveyor	5	1 0	74	...	16·10	142	82
D	Retford (Babworth Hall)	Maj.-Gen. Sir John Whitaker	5	1 3	98	22·9	17·37	148	85
D	Worksop (Wigthorpe Hill)	R. C. P. Ramsden, Esq.	5	1 0	100	23·3	17·62	144	89
D	Gringley Carr (Pumping Station)	G. H. Simmons, Esq.	5	1 0	21	...	18·46	148	95
	6.—OUSE. Don. 2 sq. mi.								
	DERBYSHIRE. (Area, 1,017 sq. mi.)								
	1.—MERSEY, UPPER. 93 sq. mi.								
M	Buxton (Cat and Fiddle Inn)	Stockport Corporation W.W.	5	1 0	1610	53·7	47·38	...	...
M	§Buxton (Berry Clough)	Stockport Corporation W.W.	5	1 0	1550	...	47·40	...	...
D	§Buxton (Goytsclough)	Stockport Corporation W.W.	5	1 0	1175	52·8	47·20	184	160
D	§Buxton (Goytshead)	Stockport Corporation W.W.	5	1 0	925	49·1	44·58	180	155
M	§Buxton (Longhill)	Stockport Corporation W.W.	5	1 0	1390	48·8	44·05	...	...
M	Buxton (Embridge)	Stockport Corporation W.W.	5	1 0	1430	48·9	48·43	...	...

‖ Site unorthodox. § Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	DERBYSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—MERSEY. Upper—(*contd.*)								
D	§Fernilee (Upper Hall)	Stockport Corporation W.W.	5	1 0	940	44·9	40·48	177	149
D	§Taxal (Oldfield)	Stockport Corporation W.W.	5	1 0	820	45·4	41·81	177	152
M	§Taxal (Blackhillgate)	Stockport Corporation W.W.	5	1 0	1190	43·5	39·78	...	...
D	CHAPEL-EN-LE-FRITH	Ferodo Ltd.	5	1 0	728	...	38·42	186	143
D	Chapel-en-le-Frith (Ford Hall)	F. E. G. Bagshawe, Esq.	5	0 5	900	...	36·43	182	147
	§Hayfield (Dimpus Clough)	Stockport Corporation W.W.	5	1 0	1250	46·9	(36·65)	...	...
	§Hayfield (Upper Sett)	Stockport Corporation W.W.	5	1 0	1420	49·5	39·80	...	...
	§Hayfield (Oaken Clough)	Stockport Corporation W.W.	5	1 0	1250	43·9	37·75	...	...
	§Hayfield (Tunstead Clough)	Stockport Corporation W.W.	5	1 0	1125	43·3	38·30	...	...
	Hayfield (Red Brook)	Stockport Corporation W.W.	5	1 0	1950	56·8	46·65?	...	...
	§Hayfield (Kinder Source)	Stockport Corporation W.W.	5	1 0	2050	60·5	50·45	...	...
D	§Hayfield (Kinder Filters) (+A)	Stockport Corporation W.W.	5	1 0	800	45·5	39·13	185	151
	§Hayfield (Upper Moor)	Stockport Corporation W.W.	5	1 0	1280	49·0	42·70	...	...
D	§Hayfield (Hollin Head)	Stockport Corporation W.W.	5	1 0	950	49·8	42·04	184	159
	§Hayfield (Middle Moor)	Stockport Corporation W.W.	5	1 0	1170	45·7	39·25	...	...
	Hayfield (Sandy Heys)	Stockport Corporation W.W.	5	1 0	2040	56·7	49·65	...	...
D	Glossop Waterworks (Swineshaw)	Geo. Faulds, Esq., C.E.	5	3 0	733	43·2	39·83	173	138
	§Torside (Clough Edge)	Manchester Corp. W.W.	5	1 0	1452	50·9	50·25	...	...
	Bleaklow Hill (Dowstone Rocks)	Manchester Corp. W.W.	5	1 0	1718	...	51·05	...	...
	§Bleaklow Hill (Far Black Clough)	Manchester Corp. W.W.	5	1 0	1683	56·7	49·78	...	...
	2.—MERSEY. Weaver. 2 sq. mi.								
W	Buxton (Portobello Bar)	Borough Engineer	8	1 0	1600	55·9	46·41	...	...
	3.—TRENT. Right Bank Tributaries. 68 sq. mi.								
d	Church Gresley (Maurice Lea Park)	Swadlincote U.D.C.	5	1 0	400	...	22·47	...	116
d	Repton (Greenshot)	Miss M. W. Bromley	5	0 10	230	...	22·31	...	...
D	Stanton-by-Bridge (Waterworks)	Long Eaton U.D.C.	8	1 2	144	24·2	21·84	168	104
	4.—TRENT. Dove. 156 sq. mi.								
d	Rodsley (Pumping Station)	Engineer	5	1 0	415	29·7	24·24	...	...
	5.—TRENT. Left Bank Tributaries. 84 sq. mi.								
D	SHARDLOW HALL	Provincial Director, N.A.A.S.	5	1 0	110	...	19·54	133	93
D	Etwall (Blakeley Lodge)	C. H. Hawley, Esq.	5	1 4	189	24·1	22·31	146	104
D	Etwall (Sewage Farm)	Boro. Engineer & Surveyor	5	1 8	201	25·2	23·35	162	117
D	Mickleover (The Pastures Hospital)	Medical Superintendent	5	0 9	320	24·4	22·88	144	102
D	Chesterfield (Whaley Well)	A. Boothman, Esq., C.E.	8	1 2	337	...	18·18	150	96
	6.—TRENT. Derwent. 426 sq. mi.								
D	Derby (Littleover Crescent)	M. Matthews, Esq.	5	1 0	230	...	22·32	164	97
D	Spondon (Derby Sewage Works)	Borough Engineer, Derby	5	1 3	135	25·5	21·39	151	107
D	Derby (Park Grove)	John Davis & Son, Ltd.	5	1 0	198	...	22·14	153	107
d	Derby (Railway)	British Railways	5	1 0	156	25·1	24·74	...	...
d	Derby (Royal Infirmary)	I. W. Owen, Esq.	5	1 0	211	26·3	25·37	...	...
D	Derby (The Arboretum)	Borough Engineer	5	1 0	196	26·2	22·83	141	103
	Derby (Pear Tree School)	J. C. Hill, Esq.	5	0 11	190	...	22·22	...	...
D	Derby (Markeaton Park)	Borough Engineer	5	1 6	190	...	23·00	149	111
d	Breadsall Priory	E. S. Haslam, Esq.	5	1 6	370	...	23·58	...	106
D	MORLEY (Derbyshire Farm Institute)	Warden	8	1 0	350	...	23·44	151	105
D	Duffield (The Kirkstyles)	John Davis & Son, Ltd.	5	1 0	235	28·3	26·15	154	113
D	BELPER (Herbert Strutt SCHOOL)	Headmaster	5	1 0	203	29·9	23·91	136	105
D	Ambergate Reservoir No. 61	Derwent Valley Water Bd.	5	1 0	646	...	28·61	145	115
D	WIRKSWORTH (West End)	Alan D. G. Smith, Esq.	5	1 0	560	...	29·03	170	122
D	Wirksworth (Wash Green)	Water Superintendent	5	1 0	738	...	27·24	143	113

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	DERBYSHIRE—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—TRENT. **Derwent**—(*contd.*)									
D	Whatstandwell (Meerbrook Sough)		Ilkeston & Heanor Water Bd.	5	1 0	246	33·6	27·34	152	117
D	Brackenfield (Lindway Reservoir)		F. P. Walters, Esq.	5	1 6	595	31·9	26·81	174	122
d	Clay Cross (Press Reservoirs)		P. Hothersall, Esq., M.B.E.	8	1 0	810	31·7	23·32	...	114
D	Chatsworth Gardens		Head Gardener	5	1 0	436	34·7	26·17	167	122
D	Baslow (School Lane)		Mr. D. Lewis	5	1 6	425	34·5	26·43	162	121
D	Buxton (Stanley Moor)		Borough Engineer	8	1 0	1340	52·1	45·58	208	159
W	Buxton (Burbage Edge)		Borough Engineer	8	1 0	1400	52·8	44·38	...	...
D	Buxton (Ashwood Dale Sewage Works)		Manager	5	3 0	1010	...	39·77	205	150
D	BUXTON (Terrace Slopes)		Town Clerk	8	1 0	1007	48·4	40·48	198	148
	Buxton (Green Fairfield)	No. 115	Derwent Valley Water Board	5	1 0	1120	...	36·36	...	...
	Wormhill (Hargate Wall)	No. 109	Derwent Valley Water Board	5	1 0	1140	...	35·79	...	...
	Tideswell	No. 111	Derwent Valley Water Board	5	1 0	1000	...	31·59	...	...
	Tideswell (Wheston)	No. 112	Derwent Valley Water Board	5	1 0	1140	...	33·31	...	...
	Tideswell (Stanley Lodge)	No. 114	Derwent Valley Water Board	5	1 0	910	...	31·92	...	...
	Peak Forest (Middle Hill)	No. 104	Derwent Valley Water Board	5	1 0	1080	...	35·84	...	...
	Peak Forest (White Rake)	No. 110	Derwent Valley Water Board	5	1 0	1220	...	35·13	...	...
	Buxton (Dove Holes)	No. 103	Derwent Valley Water Board	5	1 0	1095	...	39·23	...	...
	Little Hucklow	No. 107	Derwent Valley Water Board	5	1 0	1012	...	33·15	...	...
D	Peak Forest	No. 110	Derwent Valley Water Board	8	1 0	1050	...	36·88	196	149
	Bradwell (Moss Rake Head)	No. 106	Derwent Valley Water Board	5	1 0	1435	...	37·28	...	...
	Peak Forest (Eldon Hill)	No. 113	Derwent Valley Water Board	5	1 0	1350	...	36·91	...	...
	Bradwell (Paradise Farm)	No. 108	Derwent Valley Water Board	5	1 0	1060	...	35·16	...	...
	Castleton (Rowter Farm)	No. 105	Derwent Valley Water Board	5	1 0	1395	...	38·29	...	...
	Rushup Edge	No. 101	Derwent Valley Water Board	5	1 0	1245	...	39·07	...	...
D	Bamford (Engineer's Office)	No. 60	Derwent Valley Water Board	8	1 0	509	37·8	31·90	175	134
D	§Bamford Filters	No. 70A	Derwent Valley Water Board	8	1 0	660	39·1	30·00	180	125
D	Holmesfield (Barbrook Reservoir)		P. Hothersall, Esq., M.B.E.	8	1 0	1080	35·6	28·55	199	125
	Holmesfield (White Edge)		Sheffield Corporation W.W.	5	1 0	1209	...	31·00	...	...
D	Burbage (Lower Burbage)	(+A)	Sheffield Corporation W.W.	8	1 0	924	36·2	29·19	176	132
D	Hope (Cement Works)		G. & T. Earle Ltd.	5	1 0	580	...	31·34	146	119
d	Hope (Killhill Bridge)	No. 56B	Derwent Valley Water Board	5	0 9	565	40·4	30·94	184	135
	Mam Nick	No. 98	Derwent Valley Water Board	5	1 0	1368	...	40·57	...	...
	Dalehead	No. 97	Derwent Valley Water Board	5	1 0	1030	...	43·61	...	...
	Stanage (Redmires)		Sheffield Corporation W.W.	5	1 0	1395	41·7	33·99	...	...
d	Bamford (Yorkshire Br. Weir)	No. 59B	Derwent Valley Water Board	5	1 0	560	36·7	32·80	...	...
d	Edale Mill	No. 84	Derwent Valley Water Board	5	1 0	725	...	38·94	...	...
	Jacob's Ladder	No. 96	Derwent Valley Water Board	5	1 0	1115	...	51·94	...	...
	Edale End	No. 83	Derwent Valley Water Board	5	1 0	632	...	35·35	...	...
	Grindslow	No. 94	Derwent Valley Water Board	5	1 0	940	...	43·51	...	...
	Crook Hill	No. 92	Derwent Valley Water Board	5	1 0	1100	...	37·64	...	...
	Ladybower	No. 73	Derwent Valley Water Board	5	1 0	985	...	34·44	...	...
W	Grimbocar	No. 90	Derwent Valley Water Board	5	1 0	700	...	39·20	...	...
	Nether Moor	No. 93	Derwent Valley Water Board	5	1 0	1460	...	45·20	...	...
	Hagg Farm	No. 81	Derwent Valley Water Board	8	1 0	700	...	40·53	...	...
	§Blackdean Brook	No. 89	Derwent Valley Water Board	5	1 0	1070	...	53·43	...	...
D	River Ashop (Weir)	No. 80A	Derwent Valley Water Board	5	1 0	795	...	38·79	175	144
D	Fairholmes (Nursery)	No. 26A	Derwent Valley Water Board	5	1 0	685	42·8	38·56	202	146
	Nether Seal Clough	No. 79B	Derwent Valley Water Board	5	1 0	1320	...	50·40	...	...
	§Nether Red Clough	No. 78	Derwent Valley Water Board	5	1 0	1370	...	49·03	...	...
	§Ashop Head	No. 43A	Derwent Valley Water Board	5	1 0	1670	...	52·14	...	...
	Ouzelden Clough	No. 75	Derwent Valley Water Board	5	1 0	885	...	41·03	...	...
	§Urchin Clough	No. 88	Derwent Valley Water Board	5	1 0	1190	...	49·31	...	...
	Alport Moor (Alport Castles)	No. 82	Derwent Valley Water Board	5	1 0	975	...	44·47	...	...
W	Derwent Dale (Birchinlee)	No. 23	Derwent Valley Water Board	8	1 0	890	50·3	41·04	...	...
	§Lady Clough Moor	No. 41B	Derwent Valley Water Board	5	1 0	1720	...	51·81	...	...

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	DERBYSHIRE—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—TRENT. Derwent.—(*contd.*)									
	§Featherbed Top ..	No. 77	Derwent Valley Water Board	5	1 0	1665	...	50·43	...	...
D	Derwent Dale (Howden Dam)	No. 17	Derwent Valley Water Board	8	1 0	845	47·7	40·83	184	141
W	§Derwent Dale (Ridge Farm)	No. 13A	Derwent Valley Water Board	5	1 0	883	52·4	44·89	...	...
	Westend Moor (Blacklow Cote)	No. 15	Derwent Valley Water Board	5	1 0	970	51·3	43·63	...	...
	§Alport Moor	No. 38B	Derwent Valley Water Board	5	1 0	1790	...	55·47	...	...
	Deep Grain	No. 74	Derwent Valley Water Board	5	1 0	1360	...	46·26	...	...
W	Derwent Dale (Slippery Stones)	No. 62	Derwent Valley Water Board	5	1 0	908	49·4	41·90	...	...
	Ronksley Moor.. ..	No. 86	Derwent Valley Water Board	5	1 0	1660	...	49·35	...	...
	Broadhead Clough ..	No. 63	Derwent Valley Water Board	5	1 0	1010	52·8	44·32	...	...
	Barrow Clough	No. 71	Derwent Valley Water Board	5	1 0	1330	...	48·88	...	...
	7.—TRENT. Erewash. 50 sq. mi.									
D	Long Eaton (Town Hall)		Long Eaton U.D.C. ..	8	0 10	105	23·4	19·86	147	99
d	Ilkeston (New Stanton)		Stanton Ironworks Co., Ltd.	5	1 0	150	25·2	19·83	...	...
D	Ilkeston (Sewage Works)		Borough Surveyor	5	1 6	132	...	20·66	148	95
d	Morley Hall		C. H. D. Ham, Esq. ..	5	1 0	380	...	22·04	...	100
d	Codnor Park		British Waterways	5	1 0	243	...	24·38	...	...
	8.—OUSE. Don. 138 sq. mi.									
	Chesterfield (Hunger Hill)		A. Boothman, Esq., C.E. ..	5	1 0	643	33·6	26·79	...	...
D	Chesterfield (Whispering Well) ..		A. Boothman, Esq., C.E. ..	5	1 0	575	32·5	25·95	157	117
d	Bolsover Colliery		Yorks Ouse River Board ..	5	1 0	275	...	21·91	148	...
D	CHESTERFIELD School		J. North, Esq.	5	1 0	298	...	21·93	145	107
D	Chesterfield (Lower Linacre Reservoir)		A. Boothman, Esq., C.E. ..	8	1 0	430	31·8	26·06	161	115
D	Chesterfield (Middle Linacre Reservoir)		A. Boothman, Esq., C.E. ..	5	1 0	500	...	26·17	165	117
D	Chesterfield (Upper Linacre Filters) ..		A. Boothman, Esq., C.E. ..	5	1 0	521	...	26·06	161	114
D	Chesterfield (Sewage Works)		Manager	5	1 0	225	...	22·66	148	116
D	Chesterfield (Crowhole Reservoir) ..		P. Hothersall, Esq., M.B.E.	5	1 0	605	31·1	23·92	149	108
D	Spinkhill (Mount St. Mary's College)		Rev. F. Burton, S.J. ..	5	1 0	350	...	21·43	154	107

DIVISION VIII—NORTH-WESTERN COUNTIES

	CHESHIRE. (Area, 1,014 sq. mi.)									
	1.—MERSEY. Upper. 187 sq. mi.									
D	Langley (Twelve Ashes)		J. H. Dossett, Esq.	6	0 9	903	...	37·71	184	147
D	Langley (Trentabank Reservoir)	(+A)	J. H. Dossett, Esq.	6	0 9	864	...	37·43	184	147
D	Langley (Bottoms Reservoir)		J. H. Dossett, Esq.	6	0 9	662	38·5	33·56	172	141
D	Macclesfield (Leadbeaters Reservoir)		J. H. Dossett, Esq.	5	1 0	579	...	29·99	174	134
D	MACCLESFIELD (West Park)		J. H. Dossett, Esq.	5	1 0	500	34·1	29·73	180	133
D	Rainow (The Clough)		Miss Anna Neave	5	1 3	815	34·4	34·94	206	139
D	Nether Alderley		J. H. Shelmerdine, Esq.* ..	5	1 0	329	...	28·62	168	125
D	Prestbury (Sewage Works) ..	(+A)	Mersey River Board ..	5	1 0	320	...	30·12	175	127
D	Disley (Lyme Park)		Stockport Corporation W.W.	5	1 0	674	...	33·36	171	140
D	Disley (Higher Stoneridge)		Stockport Corporation W.W.	5	1 0	750	35·2	34·41	171	143
D	Runcorn (Weston Point)		British Waterways	8	1 3	30	31·3	23·15	140	107
D	Appleton Reservoir	(+A)	Warrington Waterworks ..	5	1 0	120	...	26·43	168	123
D	Moore (Uplands)		Lt.-Com. G. K. Rylands, R.N.	5	1 0	120	...	24·62	164	120
D	RINGWAY (MANCHESTER Airport)	(+A)	Meteorological Office ..	5	1 0	248	29·9	27·28	169	118
D	High Lane (Light Alders Farm) ..		R. B. Melland, Esq. ..	5	1 3	675	33·0	33·12	161	138
D	MELLOR		Dr. K. C. Roberts	5	1 0	728	...	27·19	174	124
D	Altrincham (Norman's Place).. ..		Miss G. A. Griffiths ..	5	1 0	150	...	27·70	165	125
D	Dunham Massey (Sewage Works)	(+A)	Mersey River Board ..	5	1 0	55	...	26·97	165	122

§ Turf wall round gauge. * *Per* Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	CHESHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—MERSEY. Upper—(*contd.*)								
D	Stockport (Cherry Tree Hospital)	Medical Officer of Health	5	1	3 285	...	26·96	160	122
D	Timperley (Bloomsbury Lane)	P. Newton, Esq.	5	1	0 98	...	28·07	153	127
D	Stockport (Cheadle Heath Sew. Wks.)	Borough Surveyor	8	2	0 135	...	27·14	159	124
D	Stockport (Bredbury Sewage Works)	Bredbury & Romiley U.D.C.	5	0	9 165	...	26·23	148	117
D	Sale (Carrington Lane) (+A)	Mersey River Board	5	1	0 72	...	25·83	173	127
D	Sale (Sewage Works)	Manager	5	0	10 59	...	26·91	167	133
	Godley Reservoir	Manchester Corpn. W.W.	5	1	0 488	34·8	36·04	180	139
D	Dukinfield (Higher Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1	0 435	35·7	31·23	156	138
	Bottoms Reservoir	Manchester Corpn. W.W.	5	1	0 501	...	39·75	175	140
	Arnfield Reservoir (+A)	Manchester Corpn. W.W.	5	1	0 512	39·1	39·30	170	140
	Rhodes Wood Reservoir	Manchester Corpn. W.W.	5	1	0 545	42·7	42·73	176	146
	§Hollingworth Hall (Moor) No. 23	Manchester Corpn. W.W.	5	1	0 1194	...	40·80	...	...
	§Torside Reservoir	Manchester Corpn. W.W.	5	1	0 667	...	41·57	178	148
D	Stalybridge (Market Ground Yard)	M. T. B. Whitson, Esq., C.E.	5	1	0 373	38·3	37·12	165	141
D	Stalybridge (Brushes Filter House)	M. T. B. Whitson, Esq., C.E.	8	1	6 615	39·2	42·07	176	149
W	Higher Swineshaw	M. T. B. Whitson, Esq., C.E.	5	1	0 965	...	43·35	...	...
D	Woodhead Reservoir	Manchester Corpn. W.W.	5	1	0 665	48·3	43·26	173	149
	§Arnfield Moor No. 24	Manchester Corpn. W.W.	5	1	0 1290	...	50·49	...	...
	§Crowden (Span Gutter)	Manchester Corpn. W.W.	5	1	0 1530	...	51·93	...	...
	§Pikenaze Moor (Audernshaw Clough)	Manchester Corpn. W.W.	5	1	0 1148	...	49·10	...	...
	§Woodhead (Pikenaze)	Manchester Corpn. W.W.	5	1	0 926	...	43·57	...	...
	§Swineshaw Moor (Boar Flat) No. 11	Manchester Corpn. W.W.	5	1	0 1190	48·6	48·46	...	...
	§Westend Moor (Stonefold)	Manchester Corpn. W.W.	5	1	0 1691	...	50·74	...	...
	§Withens Moor (West Withens) No. 19	Manchester Corpn. W.W.	5	1	0 1382	...	53·38	...	...
	§Crowden (Meadow Clough)	Manchester Corpn. W.W.	5	1	0 1425	...	59·05	...	...
	§Near Broadslate	Manchester Corpn. W.W.	5	1	0 1663	...	62·12	...	...
	§Longside Moss No. 26	Manchester Corpn. W.W.	5	1	0 1418	59·8	52·24	...	...
	§Upper Heyden	Manchester Corpn. W.W.	5	1	0 1717	60·5	56·15	...	...
	§Grains Moss	Manchester Corpn. W.W.	5	1	0 1573	...	58·84	...	...
	2.—MERSEY. Weaver. 489 sq. mi.								
D	Audlem (Newholme)	C. Coffin, Esq.*	5	1	0 214	...	23·38	151	119
D	Cholmondeley School (+A)	A. H. Munro, Esq.*	5	1	0 291	29·3	23·13	169	116
D	Nantwich (Baddiley Waterworks)	Mid & S.E. Cheshire W. Bd.	5	1	0 231	28·3	23·04	156	117
D	Nantwich (Beam Bridge)	Nantwich U.D.C.	5	1	0 115	...	22·03	174	111
D	Nantwich (Dorfold Hall)	British Waterways	8	1	0 190	28·8	23·49	154	125
D	Nantwich (Reaseheath Hall)	British Waterways	8	1	0 130	29·1	22·67	162	115
D	Crewe (Sewage Works)	L. Reeves, Esq., C.E.	5	1	0 125	...	24·18	173	123
D	Crewe (Isolation Hospital)	Mid & S.E. Cheshire W. Bd.	5	1	4 181	28·2	24·64	199	121
D	Mow Cop (Pumping Station)	Mid & S.E. Cheshire W. Bd.	5	1	0 460	...	27·11	181	139
D	Sandbach (Pumping Station)	Mid & S.E. Cheshire W. Bd.	5	1	0 210	...	24·89	163	116
D	Eaton (Pumping Station)	Mid & S.E. Cheshire W. Bd.	5	1	0 285	31·6	25·25	172	120
D	§Congleton (Sewage Works) (+A)	Borough Surveyor	5	1	0 247	30·1	26·62	175	136
D	Congleton (Buglawton Hall)	British Waterways	8	1	0 450	...	28·31	179	131
d	Congleton (Eaton Hall)	British Waterways	8	0	9 400	...	28·01	...	140
d	Bosley Reservoir	Cheshire River Board	5	1	0 590	...	29·55	...	142
D	Middlewich	I.C.I. (Alkali) Ltd.	5	1	0 138	...	24·09	166	124
D	Tarporley (Sandyford Waterworks)	Mid & S.E. Cheshire W. Bd.	8	1	0 249	32·0	25·04	175	119
D	Middlewich (Bostock Hall)	Manchester Corpn.	5	1	0 157	30·3	24·27	152	110
d	Cranage Hall Hospital	Clerk & Steward*	5	1	0 179	29·2	24·08	...	...
D	Delamere (Linmere)	Forestry Commission	8	0	9 250	31·9	26·61	157	120
d	Cuddington (Merle Wood)	Sir Edwin Cooper Burgis, K.T.	5	1	0 200	...	25·58	...	...
D	Northwich (Crabtree Green)	Mid & S.E. Cheshire W. Bd.	8	1	0 163	32·0	26·24	168	119
D	Northwich (Weaverham Grange)	Mid & S.E. Cheshire W. Bd.	5	1	0 151	...	24·31	151	122
D	Northwich (Hunts Lock)	British Waterways	8	1	5 47	30·0	23·77	161	116

§ Turf wall round gauge.

* *Per* Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	CHESHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—MERSEY. Weaver—(*contd.*).								
D	NORTHWICH (WINNINGTON)	I.C.I. (Alkali) Ltd.	5	1 0	65	29·2	23·45	164	113
D	Chelford (Kennel Bank)	A. M. Haworth, Esq.	5	1 0	263	...	27·16	167	129
D	Chelford (Snelson House)	R. C. Walsh, Esq.	5	1 0	250	...	26·90	161	120
D	Northwich (Lostock Gralam)	I.C.I. (Alkali) Ltd.	5	1 0	75	...	22·15	163	111
D	Northwich (Marbury Road)	Charles Cooper, Esq.	5	1 0	96	...	23·85	163	114
	3.—MERSEY. Lower & C. 142 sq. mi.								
D	Barrowmore (+A)	Cheshire River Board	5	0 9	114	...	20·96	157	107
D	Mouldsworth (Pumping Station)	West Cheshire Water Board	5	1 0	145	28·9	23·43	182	106
d	Manley (Ravelstone)	Mrs. A. Haworth	5	1 0	300	31·9	21·77	...	...
D	Foxhill (Pumping Station)	Warrington Waterworks	5	1 0	155	30·2	21·60	146	104
D	Ellesmere Port (The Refinery)	Lobitos Oilfields Ltd.	5	1 0	15	...	21·67	143	105
D	Hooton (Waterworks)	West Cheshire Water Board	5	1 0	97	30·3	23·03	165	109
D	Crosshill Reservoir, *old g.*	W. K. Lewis, Esq., C.E.	5	1 0	237	...	24·56	160	120
D	Crosshill Reservoir, *new g.*	W. K. Lewis, Esq., C.E.	5	1 0	212	...	24·30	156	117
D	Port Sunlight	Lever Bros.	5	1 0	50	...	23·75	155	120
D	Prenton (Waterworks)	West Cheshire Water Board	5	1 3	91	28·1	24·77	135	119
D	Birkenhead (BIDSTON OBS'Y.) (+A)	Director	5	1 0	198	27·9	21·83	152	106
D	WALLASEY (Harrison Park)	Medical Officer of Health	5	1 0	57	...	23·29	153	114
	4.—DEE. 127 sq. mi.								
D	Eaton Hall Gardens	Mr. G. Miller	5	1 3	73	26·9	22·77	183	114
D	Chester (Sewage Disposal Works)	Engineer and Surveyor	5	0 6	16	26·1	20·60	138	95
D	Chester (Waterworks)	Engineer	5	0 10	85	26·4	19·88	138	97
D	WEST KIRBY (PARK)	Hoylake U.D.C.	5	1 5	25	...	23·08	151	105
	SOUTH LANCASHIRE. (Areas, 700 sq. mi.)								
	1.—ALT & C. 103 sq. mi.								
d	Kirby (Estate Works)	Mersey River Board	5	1 0	48	...	29·86	...	...
D	Crosby (Merchant Taylors' School)	H. Tunley, Esq.	5	0 7	20	...	24·06	158	119
D	Formby (Ince Blundell)	Mersey River Board	5	1 0	36	...	29·29	232	132
d	Ormskirk (Bickerstaffe Pumping Stn.)	N. B. Bennett, Esq., C.E.	5	0 8	128	33·2	30·34	...	139
d	Ormskirk (Springfield Pumping Stn.)	N. B. Bennett, Esq., C.E.	5	1 1	69	33·1	30·79	...	...
D	Formby (Hightown) (+A)	Mersey River Board	5	1 0	25	...	25·39	208	122
D	Barton (Pump House)	M. McD. MacLeod, Esq.	5	1 0	11	...	26·19	161	125
	2.—MERSEY. Lower. 244 sq. mi.								
D	SPEKE (Liverpool Airport) (+A)	Meteorological Office	5	1 0	77	...	23·06	158	112
D	Garston Depot	Liverpool Corporation	5	1 0	81	30·7	23·83	164	110
D	Halewood (Sewage Works)	Manager	5	1 2	30	...	26·32	183	124
D	Widnes (Catherine Street)	Widnes Water Department	8	1 0	30	...	24·00	156	119
D	Liverpool (Lark Lane)	Liverpool Corporation	5	9 1	90	...	25·59	178	120
D	Liverpool (Smithdown Road)	Liverpool Corporation	5	1 0	135	31·7	25·94	170	119
D	Great Sankey (Liverpool Road) (+A)	Mersey River Board	5	1 0	65	...	25·40	162	126
D	Cronton (Pex Hill, Old Reservoir)	Widnes Water Department	5	1 0	228	...	27·07	153	127
D	Liverpool (Monument Place) (+A)	Liverpool Corporation	5	1 3	124	...	26·11	153	123
D	Liverpool (Rathbone Road)	Liverpool Corporation	5	1 0	198	34·3	25·54	157	120
D	Liverpool (Breckside Park)	Liverpool Corporation	5	0 9	132	33·2	25·64	155	121
D	Liverpool (Queens Drive)	Liverpool Corporation	5	1 0	119	33·3	30·45	159	135
D	Warrington (Highways Yard)†	Borough Surveyor	8	4 5	43	...	28·15	180	125
D	Winwick (Pumping Station)	Warrington Waterworks	5	1 0	115	...	29·08	162	130
	Prescot	Liverpool Corpn. W.W.	5	1 0	282	...	29·48	...	...

† Gauge moved 830 yards from Howley Yard in 1951.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	SOUTH LANCASHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	2.—MERSEY. Lower.—(*contd.*)								
D	St. Helens (Eccleston Hill)	M. Ward, Esq., C.E.	5	1	250	33·6	28·77	166	126
D	St. Helens (Victoria Park)	Medical Officer of Health	8	1	145	33·9	28·30	170	127
D	Newton le Willows (Belvedere Rd.)	T. Green, Esq.	5	0	145	...	(31·17)	166	125
D	St. Helens (Windle Hall)	W. H. Pilkington, Esq.	5	1	160	...	28·08	167	126
d	Litherland (Hatton Hill Park)	C. Rigby, Esq., C.E.	5	1	59	...	21·96	...	...
D	Leigh (Sewage Works)	T. N. Cockroft, Esq., B.Sc.	8	1	67	32·6	29·80	156	126
D	Rainford (Rookery Sewage Works)	Mersey River Board	5	1	107	...	30·32	151	126
D	Hindley (Platt Bridge Sewage Works)	Surveyor	8	0 10	91	...	31·95	181	135
d	Atherton (Cemetery)	Mersey River Board	5	1	165	...	31·59	...	...
	3.—MERSEY. Irwell. 299 sq. mi.								
D	Stretford (Longford Park)	Stretford U.D.C.	8	1	85	...	26·80	150	126
D	Manchester (Hullard Park)	Stretford U.D.C.	8	1	100	32·4	28·92	159	127
D	Manchester (Old Trafford)	Stretford U.D.C.	5	1	107	...	26·85	160	134
D	Urmston (Davyhulme Sewage Works)	Manchester Cpn. Rivers Dpt.	8	1	72	30·9	26·59	152	128
D	Patricroft (Eccles Sewage Works) (+A)	Manager	5	1	71	30·3	28·42	153	114
D	Salford (Weaste Sewage Works)	City Engineer	8	1	70	32·9	29·19	162	127
D	MANCHESTER (WHITWORTH PARK)	University of Manchester	8	1	125	31·7	29·05	169	132
D	Ashton-under-Lyne (Knott Hill Res.)	M. T. B. Whitson, Esq., C.E.	8	1	605	39·7	42·30	195	149
D	Prestwich (Sewage Works)	Manager	8	0 10	150	36·6	37·43	179	144
	Prestwich Reservoir	Manchester Corpn. W.W.	5	1	340	38·2	36·50	167	142
D	Prestwich (Heaton Park)	City Surveyor, Manchester	5	1 6	325	36·8	38·29	188	144
	Prestwich (Heaton Park Reservoir)	Manchester Corpn. W.W.	5	1	355	37·1	34·71	177	141
d	Oldham (Gasworks)	C. Busfield, Esq., C.E.	5	5 9	602	39·0	43·87	168	145
D	Bolton (Hacken Sewage Works)	Manager	5	1	182	39·4	36·27	185	137
D	Oldham (Brushes Clough)	C. Busfield, Esq., C.E.	5	1	921	46·7	44·62	187	152
D	BOLTON (Queen's Park) (+A)	Corporation	5	1	342	43·1	36·50	173	129
d	Bolton (Bradshawgate)	British Waterways	5	1	299	41·6	36·44	...	...
D	Bolton (Heaton Reservoir)	Corporation Waterworks	5	1 5	500	43·5	40·54	205	147
M	§Bolton W.W. (Harpers Farm)	Corporation Waterworks	5	1	872	...	41·59	...	...
d	Bolton (Smithhills Hall)	Corporation	5	1	510	46·1	40·37	...	127
D	Bury (Sewage Works)	G. R. C. Marsden, Esq.	5	1	220	...	36·34	186	134
D	Bury (Elton Reservoir)	British Waterways	5	1	294	38·7	38·28	208	144
D	Bury (Greenhill Road)	R. Moore, Esq.	5	2 7	399	40·5	40·10	162	141
D	Castleton (Trub Sewage Works)	Borough Surveyor	5	1	438	...	36·26	198	146
D	Newhey (Sewage Works)	Crompton U.D.C.	8	1	513	41·6	40·87	170	149
d	Milnrow (Butterworth Hall)	C. Busfield, Esq., C.E.	5	1	512	43·8	37·50	...	...
D	Milnrow (Piethorne, Kitcliffe)	C. Busfield, Esq., C.E.	5	1	766	46·1	43·15	186	153
D	Milnrow (Piethorne, Cold Greave)	C. Busfield, Esq., C.E.	5	1	832	46·3	42·15	187	144
D	ROCHDALE (Roch Mills Sewage Wks.)	Borough Surveyor	5	1	363	44·5	38·42	180	141
D	Rochdale (Queensway) (+A)	Rochdale Corporation	5	4 6	407	42·4	38·33	170	142
d	Rochdale (Fieldhead Yard)	Borough Surveyor	8	1	473	41·5	39·53	...	...
D	Rochdale (Ashworth Moor Reservoir)	Heywood & Middleton W. Bd.	5	1	956	...	43·26	195	168
D	Bury (Gin Hall) No. 1	Irwell Valley Water Board	5	1	475	43·7	43·18	194	145
D	Bury (Gin Hall) No. 2	Irwell Valley Water Board	5	1	475	44·5	42·88	193	145
D	Bolton W.W. (Springs) No. 2	Corporation Waterworks	5	1	810	54·5	50·51	208	154
M	Bolton W.W. (Eagley) No. 4	Corporation Waterworks	5	1	546	52·3	49·14	...	...
D	Turton (Turton Tower)	Turton U.D.C.	5	1	584	49·1	46·09	193	152
	Bolton W.W. (Hordern)	Corporation Waterworks	5	1	1160	53·5	50·74	...	...
M	Bolton W.W. (Longworth)	Corporation Waterworks	5	1	770	52·4	48·69	...	...
D	Bolton W.W. (Wayoh) No. 3	Corporation Waterworks	5	1	608	51·7	48·88	198	149
	Bolton W.W. (Top-o'-th'-Brow)	Corporation Waterworks	5	1	935	56·5	51·57	...	...
D	Bolton W.W. (Entwistle)	Corporation Waterworks	5	1 2	700	52·4	47·65	202	147
M	Bolton W.W. (Bromiley Heys)	Corporation Waterworks	5	1 3	925	53·4	50·01	...	...

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Daim.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	SOUTH LANCASHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—MERSEY. Irwell—(*contd.*)								
M	§Bolton W.W. (Hulton Pasture)	Corporation Waterworks	5	1	1090	49·7	48·83	...	...
M	§Bolton W.W. (Moorside)	Corporation Waterworks	5	1	850	50·2	47·36	...	...
	Bolton W.W. (Clough)	Corporation Waterworks	5	1	1150	54·2	51·37	...	...
M	Bolton W.W. (Cranberry Moss)	Corporation Waterworks	5	1	982	52·0	48·83	...	...
	Bolton W.W. (Brown Lowe)	Corporation Waterworks	5	1	1200	52·9	50·38	...	...
	Bolton W.W. (Longshoot)	Corporation Waterworks	5	1	930	52·8	50·03	...	...
	Bolton W.W. (Uglow) No. 2	Corporation Waterworks	5	1	1090	51·1	50·84	...	...
D	Rochdale (Hamer Pasture Res.)	Rochdale Corporation	5	1	760	48·6	45·26	179	158
D	Rochdale (Naden Filters)	Heywood & Middleton W. Bd.	5	1	761	46·9	46·42	179	146
W	Norden (Far Knowl Farm)	Heywood & Middleton W. Bd.	8	1	1000	47·2	50·20	...	...
D	Littleborough (Longden End)	C. Busfield, Esq., C.E.	5	1	751	48·2	46·33	181	160
D	Littleborough (Hollingworth Lake)	C. Busfield, Esq., C.E.	8	1	610	40·6	40·40	176	153
	§Littleborough (Broadhead)	C. Busfield, Esq., C.E.	8	1	1337	...	39·13	200	149
D	Littleborough (Blackstone Edge)	C. Busfield, Esq., C.E.	8	1	1268	45·0	47·07	200	155
D	Littleborough (Upper Chelburn)	C. Busfield, Esq., C.E.	8	1	725	48·2	43·60	188	146
D	Littleborough (Chelburn)	C. Busfield, Esq., C.E.	8	1	700	46·6	43·65	188	146
	‖Ramsbottom (Killgate Brook)	Heywood & Middleton W. Bd.	5	1	978	...	44·60	195	168
d	Ramsbottom	British Waterways	5	0	11 418	47·7	47·89	...	...
	Ramsbottom (Cheesden Barn)	Heywood & Middleton W. Bd.	5	1	0 997	...	40·91	195	168
D	Edenfield (New Hall Nurseries)	Irwell Valley Water Board	5	1	0 800	46·9	47·40	190	149
D	Edenfield (Scout Moor Res.) No. 2	Irwell Valley Water Board	5	1	0 1275	...	57·41	200	153
D	Waterfoot (Cowpe Reservoir)	Bacup Borough Council	5	1	0 925	54·3	51·73	207	158
D	Rochdale (Spring Mill, Whitworth)	Rochdale Corporation	5	1	0 720	51·5	52·33	172	157
D	Wardle (Watergrove Mill)	Rochdale Corporation	8	2	6 819	49·9	43·89	191	157
D	Rochdale (Cowm, Whitworth)	Rochdale Corporation	5	1	0 762	51·5	56·08	182	157
D	Helmshore (Musbury Valley)	Irwell Valley Water Board	5	1	0 750	52·1	50·23	182	156
D	HELMSHORE (Experimental Hort. Farm)	Director	5	1	0 854	...	51·62	192	153
D	Haslingden (Holden Wood) No. 1	Irwell Valley Water Board	5	1	0 690	52·1	49·01	191	151
D	Haslingden (Holden Wood) No. 2	Irwell Valley Water Board	5	1	0 670	51·4	49·70	191	152
D	Haslingden (Calf Hey) No. 1	Irwell Valley Water Board	5	1	0 800	50·9	50·30	190	157
D	Haslingden (Ogden) No. 1	Irwell Valley Water Board	5	1	0 740	50·9	47·93	191	149
D	Haslingden (Ogden) No. 2	Irwell Valley Water Board	5	1	0 740	51·7	48·19	190	156
D	Bacup (Sheephouse Reservoir)	Bacup Borough Council	5	1	0 975	...	48·78	214	155
D	Rawtenstall (Cemetery) (+A)	Boro' Engineer & Surveyor	5	1	1 572	46·3	47·19	191	153
d	Haslingden	British Waterways	5	1	0 714	46·3	43·19?	...	...
D	Rawtenstall (Green Fold Res.) (+A)	Irwell Valley Water Board	5	1	0 1000	47·6	45·38	187	154
D	Rawtenstall (Green Fold Res.) No. 2	Irwell Valley Water Board	5	1	0 1025	46·1	44·09	187	151
D	Rawtenstall (Cloughbottom) No. 1	Irwell Valley Water Board	5	1	0 1025	47·4	45·85	182	149
D	Rawtenstall (Clowbridge Res.) No. 1	Irwell Valley Water Board	5	1	0 930	47·6	45·72	185	162
D	Rawtenstall (Clowbridge Res.) No. 2	Irwell Valley Water Board	5	1	0 930	51·6	48·26	185	162
	4.—MERSEY. Upper. 54 sq. mi.								
D	Northenden (Sewage Works)	Manchester Cpn. Rivers Dpt.	8	1	0 81	...	28·08	165	127
D	Chorlton-cum-Hardy (Sewage Works)	Manchester Cpn. Rivers Dpt.	8	4	6 95	30·5	28·17	167	133
D	Stretford (Sewage Farm)	Borough Engineer	8	1	1 65	...	29·58	169	136
D	Denton (Sewage Works)	Denton U.D.C.	5	1	0 205	31·0	29·31	161	128
D	Fallowfield (Platt Field Park)	City Engineer, Manchester	8	1	0 118	30·6	29·14	170	137
	Denton Reservoir	Manchester Corpn. W.W.	5	1	0 306	35·1	34·14	179	141
	Gorton Reservoir	Manchester Corpn. W.W.	5	1	0 263	35·0	31·61	171	141
	Audenshaw Reservoirs	Manchester Corpn. W.W.	5	1	0 300	...	33·26	185	144
D	Ashton-u-Lyne (Henrietta St. Yard)	M. T. B. Whitson, Esq., C.E.	5	1	0 394	37·2	35·98	174	140
D	Lower Swineshaw Reservoir	M. T. B. Whitson, Esq., C.E.	8	1	0 886	43·6	41·85	175	147
W	Swineshaw Moor	M. T. B. Whitson, Esq., C.E.	5	1	0 1340	...	45·68	...	...

§ Turf wall round gauge. ‖ Gauge over-exposed.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	CENTRAL LANCASHIRE. (Area, 536 sq. in.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—RIBBLE & C. 326 sq. mi.								
M	Rivington (Tockholes)	Liverpool Corpn. W.W.	5	1 0	970	...	48·59	...	...
M	Roddlesworth	Liverpool Corpn. W.W.	5	1 0	725	...	42·86	...	...
D	DARWEN (Bold Venture Park)	Medical Officer of Health	8	1 0	724	50·1	51·91	179	160
D	Darwen (Hoddlesden)	Blackburn Waterworks	8	1 4	680	49·1	48·46	217	160
D	§Darwen (Daisy Green)	Blackburn Waterworks	8	1 0	969	...	50·04	224	171
D	§Darwen (Pickup Bank)	Blackburn Waterworks	8	1 6	727	...	49·46	221	166
d	Brindle (Whiteholme)	Miss W. M. Gatty	5	1 8	315	39·3	33·41	...	130
D	Haslingden (Mitchell's House Res.)	R. Jackson, Esq., B.Sc.	5	1 0	930	45·0	39·99	184	143
D	Blackburn (Guide Reservoir)	Blackburn Waterworks	8	1 0	610	44·9	40·96	193	143
D	Blackburn (Witton)	Blackburn Waterworks	8	2 7	315	42·0	30·75	171	127
	HUTTON (Lancs. C.C. Hort. Station)	County Inst. of Agriculture	5	1 0	82	35·2	31·49	...	...
D	Accrington (Oak Hill Park) (+A)	Borough Engineer	5	1 0	645	...	42·72	185	149
D	Accrington (Coppy Clough S.W.) (+A)	Borough Engineer	5	1 0	386	...	39·85	176	143
D	PRESTON (MOOR PARK) (+A)	Jeremiah Horrocks Obsy.	8	1 0	110	35·3	32·04	191	139
D	Samlesbury (Sewage Works)	Blackburn Waterworks	8	3 6	240	36·9	32·71	186	135
D	SQUIRES GATE (Blackpool Airport) (+A)	Meteorological Office	5	1 0	33	31·8	26·96	156	116
d	Blackburn (Queens Road)	J. Brennand, Esq.	5	1 1	515	...	40·67	...	...
W	Burnley W.W. (Causeway Side)	J. Shepherd, Esq., C.E.	5	1 0	1110	...	49·49	...	...
W	Burnley W.W. (Sheddin)	J. Shepherd, Esq., C.E.	5	1 0	960	...	48·34	...	...
D	Burnley W.W. (Cant Clough S. Side)	J. Shepherd, Esq., C.E.	5	1 0	903	...	46·38	189	165
D	Burnley W.W. (Cant Clough N. Side)	J. Shepherd, Esq., C.E.	5	1 0	846	...	45·40	189	165
W	Burnley W.W. (Rams Clough Head)	J. Shepherd, Esq., C.E.	5	1 0	1236	...	44·41	...	...
D	Huncoat (Burnley Road Reservoir)	R. Jackson, Esq., B.Sc.	5	1 0	640	43·0	40·22	174	138
d	Rishton	British Waterways	8	1 0	466	...	43·01	...	...
D	Rishton (Sewage Works)	Surveyor	5	1 0	300	...	37·84	189	146
D	Great Harwood (Parsonage Reservoir)	Blackburn Waterworks	8	1 0	631	40·7	36·71	184	147
D	Great Harwood (Kebb Farm)	R. Jackson, Esq., B.Sc.	5	1 0	670	...	41·80	195	154
D	BURNLEY (Queens Park)	Medical Officer of Health	8	1 0	458	...	38·18	176	149
D	Burnley W.W. (Swinden) *upper g.*	J. Shepherd, Esq., C.E.	5	1 0	811	43·6	45·26	196	157
D	Burnley W.W. (Swinden) *lower g.*	J. Shepherd, Esq., C.E.	5	1 0	745	44·3	42·66	196	158
W	Burnley W.W. (Extwistle Moor Top)	J. Shepherd, Esq., C.E.	5	1 0	1308	...	46·80	...	...
D	Padiham (Huntroyde)	C. Russell Ingham, Esq.	5	1 0	430	41·1	39·63	187	147
D	Longridge (Alston Reservoir)	Preston Waterworks	8	1 2	330	41·0	36·07	195	147
	§Nelson (Red Spa Moor)	Nelson Corporation W.W.	5	1 0	1175	...	46·62	...	...
D	§Nelson (Coldwell Reservoir) No. 3	Nelson Corporation W.W.	5	1 0	1060	...	49·82	211	163
D	Nelson (Coldwell Reservoir) No. 2	Nelson Corporation W.W.	5	1 0	960	46·3	46·86	211	160
D	Whalley (Calderstones Institution)	C. R. Iken, Esq.*	5	1 0	198	...	37·82	181	135
D	Nelson (Sewage Works)	Nelson Corporation W.W.	5	1 0	359	...	43·16	182	153
D	NELSON (Walton Lane) (+A)	Medical Officer of Health	5	1 0	540	40·6	43·87	192	155
D	Ribchester Institution	E. G. Heaver, Esq.*	5	1 0	279	...	38·05	194	155
D	STONYHURST College	Rev. J. Lawrence, S.J.	8	1 10	377	46·5	43·50	192	150
D	Longridge (Cowley Brook)	Preston Waterworks	8	1 2	616	...	44·72	206	158
D	Longridge (Spade Mill)	Preston Waterworks	8	1 2	374	41·7	40·43	201	149
	Longridge (Jeffrey Hill)	Preston Waterworks	8	1 2	900	47·3	44·50	...	...
D	Sabden (Churn Clough Reservoir)	Water Engineer, Padiham	5	1 0	790	41·2	42·76	182	156
W	Sabden (Craggs Dole)	Water Engineer, Padiham	8	1 0	1060	46·0	45·78	...	...
D	§Barley (Ogden Reservoir)	Nelson Corporation W.W.	5	1 0	908	...	50·99	198	169
D	§Pendle Hill (Buttock)	Nelson Corporation W.W.	5	1 0	1175	49·9	52·94	198	171
D	Colne (Swinden Sewage Works)	Borough Engineer	5	1 0	423	42·0	40·91	187	151
D	Colne (Judge Fields) (+A)	Borough Engineer	5	1 0	558	...	42·14	194	150
d	Barrowford Reservoir	British Waterways	8	1 0	473	41·0	43·01	...	135
	§Nelson (Blackmoss Reservoir)	Nelson Corporation W.W.	5	1 0	825	...	47·43	...	...
d	Foulridge (Upper Reservoir)	British Waterways	5	1 0	582	40·5	40·92	...	...
D	Chatburn School	Headmaster	5	1 0	322	43·0	40·50	202	163
	Clitheroe (Downham Hall)	Sir Ralph Assheton, Bart.	5	1 6	464	...	37·03	...	...

*Per Lancashire River Board.

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	CENTRAL LANCASHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE. Douglas. 156 sq. mi.								
D	Wigan W.W. (Billinge Higher End)	Borough Engineer	5	1 0	374	37·5	32·69	160	130
D	Wigan (Grammar School)	Headmaster	5	1 0	120	...	33·56	156	127
D	Wigan W.W. (Worthington)	Borough Engineer	5	1 0	225	35·4	33·03	174	124
D	Horwich (Lower Rivington)	Liverpool Corpn. W.W.	5	1 0	440	38·7	38·82	182	137
	Horwich (Gilsbrook Spring)	Liverpool Corpn. W.W.	5	1 0	598	...	39·05	...	...
M	Rivington (Scotchman's Post)	Liverpool Corpn. W.W.	5	1 0	1420	...	42·28	...	...
M	Rivington (Hordern Stoops)	Liverpool Corpn. W.W.	5	1 0	1065	...	41·40	...	...
	Rivington (Brown Hill)	Liverpool Corpn. W.W.	5	1 0	727	...	38·79	...	...
D	§Rivington (Stones House)	Liverpool Corpn. W.W.	5	1 0	607	...	38·00	209	144
M	Rivington (Round Loaf)	Liverpool Corpn. W.W.	5	1 0	970	...	43·40	...	...
	¶Rivington (Great Hill)	Liverpool Corpn. W.W.	5	1 0	1240	...	45·13	...	...
	¶Rivington (Coppice Stile)	Liverpool Corpn. W.W.	5	1 0	879	...	41·21	...	...
M	Rivington (Pimms)	Liverpool Corpn. W.W.	5	1 0	987	...	48·72	...	...
M	Rivington (Gamekeeper's)	Liverpool Corpn. W.W.	8	1 1	850	45·4	43·71	...	...
D	Mawdesley	Lancashire River Board	5	1 0	69	...	30·74	179	117
	Chorley (Filter Beds)	Liverpool Corpn. W.W.	8	1 0	430	...	38·96	...	...
D	Chorley (Common Bank Sew. Wks.)	E. R. Jones, Esq.	5	1 0	186	...	33·93	175	129
D	Chorley (Cowling Sewage Works)	Borough Engineer	5	1 0	262	...	37·74	167	135
	3.—COAST STREAMS. 52 sq. mi.								
D	Formby (The Dunes)	J. Harold Coney, Esq.	5	0 9	30	29·8	26·43	172	124
D	SOUTHPORT (Bedford Road Park) (+A)	Borough Council	5	1 0	35	32·0	27·63	170	126
D	Rufford (Pulmonary Hospital)	Head Gardener*	5	1 0	38	...	28·98	152	116
D	Southport (Hesketh Park) (+A)	Borough Meteorologist	8	1 0	37	32·0	26·86	167	126
D	Southport (Marshside)	Borough Meteorologist	5	1 0	18	...	26·04	160	124
D	Crossens (Pumping Station)	L. J. Lepine, Esq.	5	0 4	15	...	25·77	149	128
	4.—OUSE. Aire. 2 sq. mi.								
d	Watersheddles Reservoir	G. E. V. Boldry, Esq., C.E.	5	1 0	1115	...	50·85	...	...
d	Foulridge (Canal Office)	British Waterways	5	1 0	497	43·5	42·58	...	...
	NORTH LANCASHIRE. (Area, 609 sq. mi.)								
	1.—DUDDON & C. 77 sq. mi.								
D	Barrow-in-Furness (Gasworks)	Water Engineer, Barrow	5	1 0	17	37·6	32·40	166	134
D	Barrow-in-Furness (Sew. Wks.) (+A)	J. N. Flitcroft, C.E.	5	1 0	20	39·3	32·95	187	134
	Barrow-in-Furness (Risedale School)	Headmaster	5	1 0	55	...	33·42	...	...
D	Barrow-in-Furness (Abbey Road)	P. M. Rainey, Esq.	5	1 0	135	...	34·07	179	141
D	Barrow (Rakesmoor Lane)	C.H.Wilson,Esq., A.R.I.B.A.	5	0 10	260	...	35·49	180	149
D	Little Urswick (North View)	Miss I. Dobson	5	1 0	130	44·4	42·72	197	156
D	URSWICK Vicarage	Rev. M. D. Grieve	5	1 0	130	...	41·35	196	155
D	Ulverston (Poaka Beck)	Water Engineer, Barrow	5	1 0	512	52·1	49·16	206	163
W	§Duddon Valley (Seathwaite Tarn)	Water Engineer, Barrow	5	1 0	1221	97·5	97·38	...	...
	2.—LEVEN & C. 135 sq. mi.								
D	Ulverston (Pengwerne)	Mrs. A. M. Chapman	5	1 2	124	50·1	50·40	211	173
D	Ulverston (Park Road)	E. Satterthwaite, Esq.	5	1 0	50	...	45·53	202	166
D	Haverthwaite (Outwood)	Sir Bryan Fell, K.C.M.G.**	5	1 0	65	53·5	52·45	210	173
D	Newby Bridge (Fell Foot)	P. S. Rhodes, Esq.**	5	1 0	175	...	56·29	217	169
D	Cartmel Fell (Tower Wood)	Windermere U.D.C.	5	1 0	150	...	60·13	210	171
	Cartmel Fell (Ghyll Head Reservoir)	F. C. Needham, Esq.	8	1 0	420	63·1	60·88	...	...

§ Turf wall round gauge. ‾ Gauge over-exposed.

* *Per* Lancashire River Board. ** Under auspices of Freshwater Biological Association.

DIVISION VIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	NORTH LANCASHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—LEVEN & C.—(*contd.*)								
D	Coniston (Holywath)	Major J. W. B. Hext	8	0 9	250	94·2	97·68	231	195
d	Near Sawrey (Ferry House)	Freshwater Biological Assoc.	5	1 0	145	...	62·07	...	...
D	Hawkshead (Wraymires Fisheries)	Freshwater Biological Assoc.	5	1 0	271	...	70·84	215	180
d	‖High Wray (Huyton Hill School)	Freshwater Biological Assoc.	5	9 0	129	...	68·92	198	173
	3.—KENT & C. 45 sq. mi.								
d	Heysham Harbour	British Railways	5	1 0	36	34·7	31·87	...	...
D	MORECAMBE	Town Clerk	8	1 0	23	37·0	30·92	158	132
d	Morecambe (Stuart Avenue)	H. W. Apperley, Esq.	5	1 0	18	...	33·47	...	...
D	Morecambe (Bare Lane)	K. M. Wolstencroft, Esq.	5	0 11	20	...	32·64	177	136
D	Lindale (Ellerhow)	Lady Tomlinson	5	1 0	300	51·4	45·32	194	156
	4.—LUNE. 135 sq. mi.								
D	Hampson-in-Ellel	John Welch, Esq.	5	1 0	145	38·3	34·38	192	150
	Bowland Forest (High Salter)	Lancashire River Board	5	1 0	1014	...	51·85	...	...
D	Lancaster (Blea Tarn Reservoir)	L. Lyons, Esq., C.E.	5	1 0	330	...	39·46	185	153
D	Lancaster (Stodday)	L. Lyons, Esq., C.E.	5	1 0	25	...	31·87	176	144
D	Lancaster (Lune Aqueduct)	British Waterways	8	1 0	74	38·4	36·19	191	152
	5.—WYRE & C. 213 sq. mi.								
D	Hornby (The Snab)	A. T. Storey, Esq.	5	1 0	110	...	43·44	192	159
D	Weeton Reservoir	Fylde Water Board	5	1 0	133	36·6	32·97	184	137
D	Fulwood W.W. (Haighton Reservoir)	Lancashire River Board	5	1 0	264	...	33·71	175	137
D	KIRKHAM (Esprick)	Director, Fairfield E.H. Stn.	5	1 0	78	...	31·23	164	133
D	St. Michael's-on-Wyre	E. W. Hornby, Esq.	5	1 0	26	36·0	33·00	170	144
D	Fulwood W.W. (Barnsfold Reservoir)	Lancashire River Board	5	1 0	508	...	42·61	207	160
D	Thornton (Council Offices)	H. Anderson, Esq.	8	1 6	15	...	31·16	168	129
D	Garstang (Grizedale Avenue)	J. Bainbridge, Esq.	5	1 0	70	...	31·30	161	134
D	Preesall (Pumping Station)	Lancashire River Board	5	1 0	30	...	29·64	164	136
D	FLEETWOOD (Memorial Park)	Town Clerk	5	1 0	21	...	29·75	162	126
D	Garstang (Barnacre Reservoir)	Fylde Water Board	5	1 2	616	45·7	45·86	199	155
D	Garstang (Grizedale Reservoir)	Fylde Water Board	5	1 0	517	43·6	40·49	197	151
	Garstang (Calder Intake)	Fylde Water Board	5	1 0	632	46·6	43·15	...	...
D	Garstang (Scorton)	W. G. Richmond, Esq.	5	1 0	92	...	37·78	180	152
	Garstang (Grizedale Intake)	Fylde Water Board	5	1 0	644	46·6	41·07	...	...
D	Wyresdale (Abbeystead Reservoir)	L. Lyons, Esq., C.E.	5	1 0	366	47·9	49·33	200	164
D	Abbeystead Gardens	Mr. George Penk	5	1 0	420	50·1	47·70	198	159
D	Damas Ghyll Reservoir	L. Lyons, Esq., C.E.	5	1 0	590	...	44·53	193	158
	Quernmore (Old Gauge Basin)	L. Lyons, Esq., C.E.	8	1 0	963	46·1	48·94	...	...
	Quernmore (Hare Syke)	L. Lyons, Esq., C.E.	5	1 0	1610	69·3	65·30	...	...
	6.—INSULAR. 4 sq. mi.								

DIVISION IX—YORKSHIRE

	WEST RIDING. (Area, 2,803 sq. mi.)								
	1.—LUNE. 178 sq. mi.								
D	High Bentham (Inglefield)	Geoffrey Holmes, Esq.	5	1 0	412	...	39·67	202	145
D	Sedbergh (Brigflatts)	The Misses Wilson	5	1 0	305	53·0	56·32	205	175
D	Sedbergh School	H. Dawson, Esq.	5	1 0	400	...	50·01	205	171

‖ Site unorthodox.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	2.—RIBBLE. 225 sq. mi.								
D	Colne (Lower Coppy)	L. Broughton, Esq., C.E.	5	1 7	975	...	37·91	177	147
D	Colne (Laneshaw Reservoir)	L. Broughton, Esq., C.E.	5	1 9	795	...	37·78	177	147
D	Barnoldswick (Greenberfield)	British Waterways	8	1 0	488	41·5	33·02	170	141
	Slaidburn (Hareden Fell)	Preston Waterworks	8	1 2	1300	...	73·65	...	...
D	Slaidburn (Hareden Valley)	Preston Waterworks	8	1 2	563	68·3	67·82	231	171
D	Slaidburn (Langden Brook)	Preston Waterworks	8	1 2	559	68·6	69·42	222	178
	Slaidburn (Holdron Moss)	Preston Waterworks	8	1 2	1300	...	72·77	...	...
D	Slaidburn (Dunsop Houses)	Blackburn Waterworks	8	1 2	450	62·9	58·38	174	164
D	Slaidburn (Footholme)	Blackburn Waterworks	8	1 4	565	62·2	58·68	172	159
M	Slaidburn (Middle Knoll)	Blackburn Waterworks	5	1 0	1288	67·5	62·09	...	...
d	Slaidburn (Brennand)	Blackburn Waterworks	8	1 3	820	68·3	63·19	...	171
D	Slaidburn (Croasdale House)	Fylde Water Board	5	0 9	600	56·7	56·12	198	158
D	Slaidburn (Stocks) No. 10	Fylde Water Board	5	1 0	658	56·0	54·16	204	161
D	Slaidburn (Stocks) No. 11	Fylde Water Board	5	1 0	629	...	55·91	205	162
	Slaidburn (Croasdale Valley)	Fylde Water Board	5	1 1	720	61·3	64·04	...	...
d	Slaidburn (Whitendale)	G. McKay, Esq., C.E.	8	1 6	830	70·0	63·75	...	164
	Slaidburn (Dalehead)	Fylde Water Board	5	1 0	610	...	54·21	...	...
M	Slaidburn (Cabin Hill)	Blackburn Waterworks	5	1 0	1559	68·5	62·55	...	...
M	Slaidburn (Baxton Fell)	Blackburn Waterworks	5	1 0	1525	75·8	69·45	...	...
M	Slaidburn (Saddle Hill)	Fylde Water Board	5	1 0	1400	68·3	65·69	...	...
	Settle (Bottoms)	Fylde Water Board	5	1 0	864	...	50·93	...	...
	Settle (Catlow)	Fylde Water Board	5	1 0	827	62·1	58·80	...	...
	Settle (Lamb Hill)	Fylde Water Board	5	1 0	1328	67·3	66·80	...	...
D	Settle (Gasworks)	A. Smalley, Esq.	8	2 6	450	43·9	40·23	167	149
D	Giggleswick (Belfield)	E. H. Horner, Esq.	5	1 0	600	...	40·44	185	148
	3.—MERSEY. Irwell. 2 sq. mi.								
D	Oldham (Strinesdale)	C. Busfield, Esq., C.E.	5	1 0	791	42·8	40·70	180	146
	4.—MERSEY. Upper. 35 sq. mi.								
	Greenfield (Chew, Blindstones)	M. T. B. Whitson, Esq., C.E.	5	1 0	1745	...	59·39	...	...
	Greenfield (Chew Great Gruff)	M. T. B. Whitson, Esq., C.E.	5	1 0	1650	...	58·37	...	...
D	Greenfield (Chew Mount)	M. T. B. Whitson, Esq., C.E.	5	1 0	1578	50·7	55·41	210	162
W	Greenfield (Chew Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1 0	1648	...	61·45	...	...
	Greenfield (Chew Sluice)	M. T. B. Whitson, Esq., C.E.	5	1 0	1670	...	57·84	...	...
D	Greenfield (Sewage Disposal Works)	Manager	5	1 1	499	42·0	42·08	191	141
D	Greenfield (Yeoman Hey)	M. T. B. Whitson, Esq., C.E.	5	1 0	784	49·1	48·07	188	160
W	Greenfield (Ashway Moss)	M. T. B. Whitson, Esq., C.E.	5	1 0	1581	...	52·14	...	...
W	Greenfield (Birchen Clough)	M. T. B. Whitson, Esq., C.E.	5	1 0	1018	51·4	49·55	...	...
W	Greenfield (Upperwood Moor)	M. T. B. Whitson, Esq., C.E.	5	1 0	1518	...	49·13	...	...
d	Saddleworth Station	British Waterways	5	1 0	574	45·4	45·05	...	...
D	Standedge (Castle Shaw Broadhead)	C. Busfield, Esq., C.E.	8	1 0	857	51·5	49·36	208	169
D	Denshaw (C.E. School)	Head Teacher	8	1 1	870	...	45·36	177	152
D	Denshaw (Ox Hey)	C. Busfield, Esq., C.E.	8	1 0	1031	47·1	44·92	201	145
D	Denshaw (Crawshaw Hey)	C. Busfield, Esq., C.E.	8	1 0	956	47·0	44·27	201	152
D	Denshaw (New Year's Bridge)	C. Busfield, Esq., C.E.	8	1 0	986	...	43·30	201	144
	5.—TRENT. Derwent. 9 sq. mi.								
D	Burbage (Parson's House)	Sheffield Corporation W.W.	8	1 0	1307	36·1	28·05	260	149
	Burbage (Higger Lodge)	Sheffield Corporation W.W.	5	1 0	1225	36·8	29·01	...	...
	§Burbage (Upper Burbage)	Sheffield Corporation W.W.	5	1 0	1364	38·1	32·07	...	...
	Derwent Dale (Howden Dean) No. 72	Derwent Valley Water Bd.	5	1 0	960	...	38·69	...	...
	§Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd.	5	1 0	1010	44·4	38·30	...	...
	Derwent Dale (Sandy Lee) No. 7A	Derwent Valley Water Bd.	5	1 0	1320	...	41·98	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	WEST RIDING—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	6.—TRENT. Left Bank Tributaries. 143 sq. mi.									
D	Tickhill (Dadsley Road)		K. G. Brown, Esq.	5	1 0	60	...	17·20	150	84
D	Austerfield (Pumping Station)		Doncaster & Tickhill W. Bd.	8	1 0	32	...	16·88	144	89
D	Rossington (Main Colliery)		National Coal Board	5	1 0	22	...	17·10	118	87
D	FINNINGLEY Airfield	(+A)	Meteorological Office	5	1 11	32	...	16·77	128	86
D	Balby (Sewage Works)	(+A)	M. Cawley, Esq., C.E.	5	1 0	29	...	17·19	133	85
D	Doncaster (Low Pasture Pumping Stn.)		M. Cawley, Esq., C.E.	5	1 0	24	...	18·01	132	88
	7.—OUSE. Don. 574 sq. mi.									
	Burbage (Badger House)		Sheffield Corporation W.W.	5	1 0	1138	...	29·91	...	...
D	Woodhouse (Coisley Hill Works)		J. H. Edmondson, Esq.	5	... ...	243	...	19·18	162	105
D	Sheffield W.W. (Redmires Res.)	(R)	Sheffield Corporation W.W.	10	5 0	1110	40·3	32·65	190	138
D	Sheffield W.W. (Redmires Res.)		Sheffield Corporation W.W.	5	1 0	1110	41·0	32·99	191	138
	Rivelin (Oaking Clough)		Sheffield Corporation W.W.	8	1 0	1165	39·8	33·92	...	...
	Rivelin (Oaking Clough)	No. 2	Sheffield Corporation W.W.	5	1 0	1185	...	35·23	...	...
	Rivelin (Middle Moss)		Sheffield Corporation W.W.	5	1 0	1168	41·0	34·96	...	...
D	Sheffield W.W. (Rivelin)	(+A)	Sheffield Corporation W.W.	8	1 0	564	35·2	26·68	164	118
	Sheffield W.W. (Black Clough)		Sheffield Corporation W.W.	5	1 0	1175	40·3	34·90	...	...
D	Sheffield W.W. (Crookes)		Sheffield Corporation W.W.	5	1 0	629	31·0	25·04	171	120
D	SHEFFIELD (Weston Park)		Borough Council	5	1 0	428	30·4	23·50	160	108
	Loxley Valley (Crawshaw Wood)		Sheffield Corporation W.W.	5	1 0	1175	...	30·78	...	...
	Loxley Valley (Broadcar)		Sheffield Corporation W.W.	5	1 0	1004	44·4	35·22	...	...
	Loxley Valley (Oakes Fm., Damflask)		Sheffield Corporation W.W.	5	1 0	650	36·1	28·66	...	...
	Loxley Valley (Loftshaw Strines)		Sheffield Corporation W.W.	5	1 0	1003	43·2	33·20	...	...
D	Loxley Valley (Bradfield Filters)		Sheffield Corporation W.W.	8	1 0	551	...	28·93	180	130
D	Loxley Valley (Dale Dike Reservoir)		Sheffield Corporation W.W.	8	1 0	715	41·9	31·61	177	139
	Loxley Valley (Brogging Moss)		Sheffield Corporation W.W.	5	1 0	1360	..	40·31	...	...
	Loxley Valley (Thornseat)		Sheffield Corporation W.W.	5	1 0	1326	42·6	34·28	...	...
	Loxley Valley (Rocher Flat)		Sheffield Corporation W.W.	5	1 0	1106	...	27·17	...	...
	Loxley Valley (Emlin Moor)		Sheffield Corporation W.W.	5	1 0	998	41·3	31·63	...	...
	§Loxley Valley (White Lee Moor)		Sheffield Corporation W.W.	5	1 0	1170	...	31·35	...	...
	Loxley Valley (Hobson Moss)		Sheffield Corporation W.W.	5	1 0	1530	...	35·90	...	...
D	Rotherham (Ulley Reservoir)	No. 2	E. J. Manson, Esq., C.E.	5	1 0	184	23·4	17·25	117	101
D	Rotherham (Ulley Reservoir)	No. 3	E. J. Manson, Esq., C.E.	5	1 0	132	23·2	17·83	117	101
D	Wincobank (Sewage Works)		J. H. Edmondson, Esq.	5	1 6	110	23·0	17·50	140	93
D	ROTHERHAM (Broom Lane)		L. Atkinson, Esq.	5	1 0	284	...	17·68	144	97
D	Rotherham (Ramsden Road)		H. V. Radcliffe, Esq.	5	1 0	180	...	16·69	134	89
D	Rotherham (Kimberworth School)		E. J. Manson, Esq., C.E.	5	1 0	285	24·7	21·44	139	95
D	Rotherham (Aldwarke Sew. Wks.)	(+A)	E. J. Manson, Esq., C.E.	5	3 0	70	...	17·56	126	87
D	Rotherham (Thrybergh)		M. Cawley, Esq., C.E.	8	1 0	184	23·8	18·17	146	96
d	Grenoside (Council Offices)		Wortley R.D.C.	5	1 0	560	...	22·78	...	...
D	Conisborough (Firsby Reservoir)		M. Cawley, Esq., C.E.	8	1 3	189	26·1	17·26	144	87
	§Ewden (Middle Moss)		Sheffield Corporation W.W.	5	1 0	1600	51·0	40·74	...	...
	Ewden (Broomhead Moor)		Sheffield Corporation W.W.	5	1 0	1370	47·8	34·13	...	...
D	Ewden (Canyard Brook)		Sheffield Corporation W.W.	5	1 0	585	...	29·78	175	133
	Ewden (Candle Rush)		Sheffield Corporation W.W.	5	1 0	1400	...	40·80	...	...
	Ewden (Broomhead Hall)		Sheffield Corporation W.W.	5	1 0	900	42·1	31·07	...	...
D	Ewden (More Hall Reservoir)		Sheffield Corporation W.W.	8	1 0	408	33·9	25·09	165	110
D	Ewden (Broomhead Reservoir)		Sheffield Corporation W.W.	5	1 0	484	...	28·66	170	123
M	Ewden (Margery Hill)		Sheffield Corporation W.W.	5	1 0	1784	52·3	42·96	...	...
M	Ewden (Brown Edge)		Sheffield Corporation W.W.	5	1 0	1325	50·5	37·49	...	...
d	Wentworth Woodhouse		Mr. A. Young	5	1 0	360	27·2	21·41	...	...
D	Mexborough		Surveyor U.D.C.	5	1 6	77	23·4	15·70	118	84
D	Wortley (Service Reservoir)		W. G. Lees, Esq., C.E.	5	1 0	700	30·0	25·00	191	110
D	Midhope Moor (Barnside)		W. G. Lees, Esq., C.E.	5	1 0	1000	43·4	37·93	168	137
M	Little Don Valley (Laund Clough)		Sheffield Corporation W.W.	5	1 0	1515	...	51·52	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	7.—OUSE. Don—(*contd.*)								
D	Little Don Valley (Underbank Res.)	Sheffield Corporation W.W.	8	1 0	604	36·8	28·79	167	123
	§Little Don Valley (Brockholes) ..	Sheffield Corporation W.W.	5	1 0	902	37·6	28·68	...	...
	Little Don Valley (Sheep House) ..	Sheffield Corporation W.W.	5	1 2	945	34·6	28·18	...	...
D	Langsett Moor (Midhope)	W. G. Lees, Esq., C.E. ..	5	1 0	823	...	34·13	171	129
D	Langsett Moor (Upper Midhope) ..	Sheffield Corporation W.W.	8	1 6	925	41·6	32·95	193	130
	§Langsett Moor (Mickleden)	Sheffield Corporation W.W.	5	1 0	1217	48·0	40·74	...	...
	Langsett Moor (Mickleden Edge) ..	Sheffield Corporation W.W.	5	1 0	1110	50·3	43·58	...	...
	Langsett Moor (Catclough)	Sheffield Corporation W.W.	8	1 0	1516	47·8	46·41	...	...
	§Langsett Moor (Fiddlers Green) ..	Sheffield Corporation W.W.	5	1 0	1493	48·7	46·54	...	...
	Langsett Moor (Fiddlers Green) *check*	Sheffield Corporation W.W.	5	1 0	1480	49·1	47·59	...	...
	§Dunford Bridge (Woodland Clough)	D. E. Strachan, Esq., C.E.	5	1 0	1440	...	(48·90)	...	...
	§Dunford Bridge (Brown's Clough) ..	D. E. Strachan, Esq., C.E.	5	1 0	1405	...	51·50	...	...
	Langsett Moor (Border Hill)	Sheffield Corporation W.W.	5	1 0	1148	46·9	41·10	...	...
D	Langsett Moor (Swinden Lodge) ..	Sheffield Corporation W.W.	8	1 0	1032	44·0	37·36	192	139
D	Langsett Reservoir .. .. (+A)	Sheffield Corporation W.W.	5	1 0	820	...	32·11	179	127
D	Langsett Moor (Flouch Road) ..	Sheffield Corporation W.W.	8	1 0	960	42·2	35·11	187	134
D	Wath-upon-Dearne (Wath Wood Res.)	Water Engineer	5	0 8	330	...	18·13	134	90
W	§Hazelhead (Town Brook Intake) ..	W. G. Lees, Esq., C.E. ..	5	1 0	1037	...	42·53	...	...
W	§Dunford Bridge (Long Grain) ..	W. G. Lees, Esq., C.E. ..	5	1 0	1125	...	45·53	...	...
D	§Wogden Foot (Cat Clough)	W. G. Lees, Esq., C.E. ..	5	1 0	889	...	40·24	159	133
D	Doncaster (Pumping Station)	M. Cawley, Esq., C.E. ..	5	1 0	31	...	18·33	132	92
	§Dunford Bridge (Dearden Moss) ..	D. E. Strachan, Esq., C.E.	5	1 0	1500	...	51·15	...	...
D	Dunford Bridge (Stoney Gate) ..	D. E. Strachan, Esq., C.E.	5	1 0	1086	...	45·03	190	145
	§Dunford Bridge (End Springs) ..	D. E. Strachan, Esq., C.E.	5	1 0	1450	...	55·70	...	...
D	§Dunford Bridge Reservoir	D. E. Strachan, Esq., C.E.	5	1 0	1081	...	46·58	190	150
	Dunford Bridge (Grains Plantations)	D. E. Strachan, Esq., C.E.	5	1 0	1150	...	47·50	...	...
	§Dunford Bridge (Swines Clough Moss)	D. E. Strachan, Esq., C.E.	5	1 0	1503	...	56·35	...	...
D	§Dunford Bridge (Harden)	D. E. Strachan, Esq., C.E.	5	1 0	1204	...	47·25	191	152
	§Dunford Bridge (Reaps Slack) ..	D. E. Strachan, Esq., C.E.	5	1 0	1490	...	56·90	...	...
D	Barnsley (Worsborough Bridge) ..	Engineer and Surveyor ..	5	1 6	150	...	17·73	171	97
D	Darfield (Sewage Works)	Surveyor	5	1 0	83	...	17·40	110	84
D	§Penistone (Royd Moor)	W. G. Lees, Esq., C.E. ..	5	1 0	835	...	30·43	159	128
M	Penistone (Gringley Carr)	W. G. Lees, Esq., C.E. ..	5	1 0	1090	...	35·39	...	...
D	Penistone (Ingbirchworth Reservoir) ..	W. G. Lees, Esq., C.E. ..	5	1 0	853	...	32·97	162	128
	Penistone (Spicer House)	W. G. Lees, Esq., C.E. ..	5	1 0	985	...	32·95	...	...
D	§Penistone (Broadstone Reservoir) ..	W. G. Lees, Esq., C.E. ..	5	1 0	1030	...	36·15	178	134
W	Hepworth (Pottersgate House) ..	W. G. Lees, Esq., C.E. ..	5	1 0	1165	...	34·95	...	...
d	Barnsley (Queens Road)	Borough Engineer	5	1 0	310	...	19·37	...	...
D	Barnsley (Jordan Hill)	W. G. Lees, Esq., C.E. ..	5	1 0	460	26·2	19·39	143	95
D	Doncaster (Sandall Works)	M. Cawley, Esq., C.E. ..	5	1 0	41	...	18·14	127	92
D	Bentley Colliery	National Coal Board ..	5	1 0	23	...	16·97	122	86
D	Cawthorne (Cannon Hall)	J. M. Spencer Stanhope, Esq.	5	0 7	350	29·1	24·81	174	115
D	Barnsley (Burntwood Hall)	R. Dymond, Esq.	5	1 0	378	25·9	18·80	137	95
D	Kirk Bramwith	C. E. Farran, Esq., C.E. ..	5	2 6	22	23·2	15·19	146	83
D	Thorne	Yorkshire Ouse River Board	5	1 0	15	...	16·67	132	89
D	Hemsworth (Fitzwilliam)	Hemsworth & U.K. Coke Oven Co. Ltd.	5	1 6	246	24·0	15·90	118	88
D	Featherstone (Sec. Modern School) ..	F. Corbett, Esq.	5	1 0	195	...	17·38	135	92
D	Rawcliffe (Black Drain Pumping Stn.)	G. H. Simmons, Esq. ..	5	0 10	10	...	16·87	123	92
	8.—OUSE. Aire. Calder. 361 sq. mi.								
D	Great Hey	H. P. Joyce, Esq., C.E. ..	5	1 0	1200	...	59·02	185	155
D	Hey Springs	H. P. Joyce, Esq., C.E. ..	5	1 0	1100	...	51·15	185	148
D	Holmbridge (Yateholme)	H. P. Joyce, Esq., C.E. ..	5	1 0	1009	59·2	53·13	185	151
D	Holmbridge (Ramsden)	H. P. Joyce, Esq., C.E. ..	5	1 0	861	56·4	48·98	185	146

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	8.—OUSE. Aire. Calder—(*contd.*)								
	Holmbridge (Bilberry Reservoir)	J. P. Beveridge, Esq., C.E.	5	1	0 970	...	44·82	...	...
d	Holmfirth (Holme Styes Reservoir)	Water Engineer	5	2	0 925	45·7	39·44	...	...
	Holmfirth (Boshaw Whams Reservoir)	J. P. Beveridge, Esq., C.E.	5	1	0 930	...	40·64	...	...
M	§Hepworth (Spring Head)	W. G. Lees, Esq., C.E.	5	1	0 1165	...	34·57	...	...
d	Holmfirth (Snape Reservoir)	Water Engineer	5	2	0 1075	...	39·41	...	...
	Meltham (Harden Moss)	J. P. Beveridge, Esq., C.E.	8	1	0 1212	...	43·78	...	...
	Wessenden Head	J. P. Beveridge, Esq., C.E.	8	1	0 1200	...	49·96	...	...
	Wessenden (Holly Bank Moss)	J. P. Beveridge, Esq., C.E.	8	1	0 1280	...	50·16	...	...
	Wessenden (Old Reservoir)	J. P. Beveridge, Esq., C.E.	8	1	0 940	...	47·63	...	...
D	Stanedge (Redbrook Reservoir)	British Waterways	5	1	0 1150	...	48·05	142	118
	Wessenden (Butterley Moss)	J. P. Beveridge, Esq., C.E.	8	1	0 1110	...	48·17	...	...
	§Wessenden (Bobus)	J. P. Beveridge, Esq., C.E.	8	1	0 1200	...	47·32	...	...
	Meltham (Brow Grains)	J. P. Beveridge, Esq., C.E.	8	1	0 900	45·0	44·09	196	142
d	Meltham (Royd Edge)	United Thread Mills, Ltd.	8	1	0 585	48·3	41·45	...	...
	Meltham Grange	J. P. Beveridge, Esq., C.E.	8	1	0 850	42·9	41·72	193	137
d	‖Marsden Reservoir	British Waterways	5	1	0 657	50·5	47·19	...	131
	Marsden (Deerhill)	J. P. Beveridge, Esq., C.E.	8	1	0 1149	45·0	47·21	203	152
D	Slaithwaite (Blackmoorfoot)	J. P. Beveridge, Esq., C.E.	8	1	0 800	43·1	38·21	194	141
	Slaithwaite (Deanhead Reservoir)	J. P. Beveridge, Esq., C.E.	5	1	0 1007	...	44·80	...	...
D	HUDDERSFIELD (RAVENSKNOWLE)	Corporation	8	1	0 325	...	25·79	162	113
D	HUDDERSFIELD (OAKES)	S. Morris Bower, Esq., for M.O.	5	1	0 761	34·9	32·56	186	137
W	Moss Moor (Linsgreave)	Wakefield Corpn. W.W.	5	1	0 1264	52·3	48·94	...	...
D	Rishworth (Great Wolden Edge)	Wakefield Corpn. W.W.	5	1	0 1135	49·3	48·40	203	157
W	Rishworth (Long Clough)	Wakefield Corpn. W.W.	5	1	0 1010	52·8	45·98	...	...
W	Rishworth (Stott Hall)	Wakefield Corpn. W.W.	5	1	0 935	46·8	40·18	...	...
D	Rishworth Lodge	Wakefield Corpn. W.W.	5	0	11 950	...	43·85	188	155
D	Rishworth (Green Withens Reservoir)	Wakefield Corpn. W.W.	5	1	0 1205	48·2	43·25	190	150
W	Rishworth (Pike End)	Wakefield Corpn. W.W.	5	1	0 1225	48·3	45·22	...	...
D	Rishworth (Ringstone Res.) *lower*	Wakefield Corpn. W.W.	5	1	0 962	46·9	39·86	184	142
W	Soyland Moor (Greystones)	Wakefield Corpn. W.W.	5	1	0 1192	52·6	44·81	...	...
D	Soyland Moor (Rishworth Drain)	C. Busfield, Esq., C.E.	8	1	0 1301	52·9	42·60	200	155
W	Soyland Moor (Waystone Drain)	Wakefield Corpn. W.W.	5	0	11 1200	...	51·14?	...	...
W	Soyland Moor (Summit) East	Wakefield Corpn. WW.	5	0	11 1218	52·9	43·99	...	...
D	Soyland Moor (Stansfield Hey) (+A)	Wakefield Corpn. W.W.	5	1	0 700	43·3	36·71	183	141
W	Soyland Moor (Baitings)	Wakefield Corpn. W.W.	5	1	0 943	51·4	43·24	...	...
D	Soyland Moor (Byron Edge)	C. Busfield, Esq., C.E.	8	1	0 1251	48·3	48·36	200	156
W	Soyland Moor (Manshead)	Wakefield Corpn. W.W.	5	1	0 1225	51·6	49·50	...	...
W	Soyland Moor (Turvin 1)	Wakefield Corpn. W.W.	5	1	0 1201	...	45·86	...	...
W	Soyland Moor (Turvin 2)	Wakefield Corpn. W.W.	5	1	0 996	...	44·10	...	...
D	Walsden (White Holme)	C. Busfield, Esq., C.E.	8	1	0 1240	...	44·78	200	153
D	§Walsden (Calf Lee)	Rochdale Corporation	8	1	0 960	...	45·76	183	150
D	Horbury (Town Hall)	E. F. Richley, Esq.	5	1	6 250	23·3	19·47	133	94
D	Wakefield (Sewage Works)	Yorkshire Ouse River Board	5	1	0 80	...	18·84	152	97
D	WAKEFIELD (Clarence Park)	Corporation	5	1	0 115	25·4	19·44	146	97
D	Normanton (Haw Hill Park)	Surveyor U.D.C.	8	1	1 136	23·3	18·19	144	92
W	Walsden (Ramsden Hill)	Rochdale Corporation	5	1	0 1326	52·0	50·84	...	...
D	Walsden (Ramsden Reservoir)	Rochdale Corporation	5	1	0 993	52·7	47·29	178	150
D	Todmorden (Gorpley Reservoir)	Borough Engineer	5	1	3 900	...	49·46	198	154
D	Todmorden (Fielden Hospital)	L. A. Crabtree, Esq.	5	1	0 650	...	40·90	202	150
D	Todmorden (Lower Laith)	D. A. Lord, Esq., F.R.Met.S.	5	1	0 500	...	42·08	214	145
d	Halifax (Public Library)	Librarian	8	1	0 625	34·3	29·77	...	...
D	‖Dewsbury (Mitchell Laithes Sew. Wks.)	Manager	5	1	0 115	...	21·18	149	108
D	Dewsbury (Municipal Offices) (+A)	Borough Engineer	5	1	6 225	...	21·53	146	103
D	Dewsbury (Crow Nest Park)	Superintendent of Parks	8	1	0 300	...	22·38	142	104

‖ Site unorthodox. § Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	8.—OUSE. Aire. Calder—(*contd.*)								
D	Heckmondwike (The Bottoms)	Spenborough U.D.C.	5	1 0	165	...	24·35	163	106
D	Batley (Staincliffe Reservoir)	H. P. Joyce, Esq., C.E.	5	1 0	492	25·3	23·09	152	105
D	Ardsley (Jaw Hill Filters)	Wakefield Corpn. W.W.	5	1 0	315	25·8	21·71	136	109
D	Ardsley Reservoir (Upper)	Wakefield Corpn. W.W.	5	0 9	395	25·4	21·84	168	107
D	Halifax W.W. (Albert Reservoir)	A. L. Gray, Esq., B.Sc.	5	1 0	795	35·3	33·15	195	132
D	Todmorden (Eastwood Sew. Wks.)	Manager	5	1 0	368	...	39·17	187	145
D	Mytholmroyd (Redacre)	C. H. Brock, Esq., C.E.	5	1 0	315	...	36·98	178	131
D	Halifax W.W. (Ramsden Wood)	A. L. Gray, Esq., B.Sc.	5	1 0	815	38·3	36·65	175	136
D	§Halifax W.W. (Castle Carr Lodge)	A. L. Gray, Esq., B.Sc.	5	1 0	1060	42·6	39·18	178	148
W	§Halifax W.W. (Gorple Res.) No. 2	A. L. Gray, Esq., B.Sc.	5	1 0	1275	...	52·91	...	...
W	Halifax W.W. (Coppy)	A. L. Gray, Esq., B.Sc.	5	1 0	1141	...	49·90	...	...
W	Halifax W.W. (Midgley Moor)	A. L. Gray, Esq., B.Sc.	8	1 0	1350	44·3	44·38	...	...
W	§Halifax W.W. (Gorple Res.) No. 3	A. L. Gray, Esq., B.Sc.	5	1 0	1160	...	48·26	...	...
W	Halifax W.W. (Warley Moor)	A. L. Gray, Esq., B.Sc.	8	1 0	1325	43·0	45·46	...	...
D	Halifax W.W. (Ogden)	A. L. Gray, Esq., B.Sc.	5	1 0	990	...	38·07	172	144
W	Halifax W.W. (Ovenden Moor)	A. L. Gray, Esq., B.Sc.	8	1 0	1375	41·8	41·78	...	...
D	§Halifax W.W. (Gorple Res.)	A. L. Gray, Esq., B.Sc.	8	1 0	1028	...	51·71	204	160
W	Halifax W.W. (Widdop Res.) No. 4	A. L. Gray, Esq., B.Sc.	5	1 0	1060	...	50·83	...	...
D	§Halifax W.W. (Widdop Res.) No. 2	A. L. Gray, Esq., B.Sc.	5	1 0	1065	...	48·80	204	163
W	§Halifax W.W. (Widdop Res.) No. 3	A. L. Gray, Esq., B.Sc.	5	1 0	1060	...	45·30	...	...
D	§Halifax W.W. (Walshaw Dean Lodge)	A. L. Gray, Esq., B.Sc.	5	1 0	1040	48·1	46·29	197	153
W	§Halifax W.W. (Walshaw Dean) No. 3	A. L. Gray, Esq., B.Sc.	5	1 0	1180	...	46·64	...	...
W	Halifax W.W. (Widdop Res.) No. 5	A. L. Gray, Esq., B.Sc.	5	1 0	1280	...	53·48	...	...
	9.—OUSE. Aire. 504 sq. mi.								
D	PONTEFRACT (The King's School)	Headmaster	5	1 0	255	23·3	17·26	154	92
D	Pontefract (Roall Waterworks)	A. F. Richmond, Esq., C.E.	8	1 0	42	23·0	15·43	142	89
D	Goole (Sewage Pumping Station)	Borough Engineer	5	1 0	10	...	19·61	130	90
D	Rothwell (Lemonroyd Sewage Works)	Rothwell U.D.C.	5	1 0	64	...	19·96	160	99
D	Selby (Brayton Barff Waterworks)	Waterworks Engineer	8	1 0	173	...	17·92	150	98
	Bradford (Brayshaw Reservoir)	Waterworks Engineer	5	1 0	982	36·5	32·97	...	...
D	Bradford (Bowling Cemetery) (+A)	City Surveyor	5	1 0	600	...	29·96	165	120
D	Bradford (Shearbridge Depot) (+A)	City Surveyor	5	1 0	400	...	27·99	167	118
D	Bradford (Horton Park)	City Surveyor	5	1 0	597	...	29·62	153	120
D	Bradford (Thornton Cemetery)	City Surveyor	5	1 0	1003	...	35·14	180	129
D	Bradford (Peel Park)	City Surveyor	5	1 0	450	...	27·14	167	119
D	BRADFORD (Lister Park)	Corporation	8	1 0	439	33·9	27·19	172	121
D	Bradford (Thornton Moor Filters)	Waterworks Engineer	5	1 0	1190	44·3	42·85	197	154
D	Bradford (Stubden Reservoir)	Waterworks Engineer	5	1 0	1071	44·9	43·79	189	151
M	Bradford (Nan Scar, Oxenhope)	Waterworks Engineer	5	1 0	1101	...	44·49	...	...
M	Bradford (Stairs Top, Oxenhope)	Waterworks Engineer	5	1 0	1360	...	49·97	...	...
D	Bradford (Leeming Reservoir)	Waterworks Engineer	5	1 0	850	...	41·90	177	143
D	Bradford (Doe Park Reservoir)	Waterworks Engineer	5	1 0	754	...	36·47	171	139
D	Bradford (Leeshaw Reservoir)	Waterworks Engineer	5	1 0	875	47·3	50·01	221	152
M	Bradford (Chellow Dean Reservoir)	Waterworks Engineer	5	1 0	645	34·5	29·91	...	...
D	Bradford (Chellow Heights Reservoir)	Waterworks Engineer	5	1 0	848	...	30·26	175	133
D	Bradford (Hewenden Reservoir)	Waterworks Engineer	5	1 0	707	...	36·54	184	135
D	Bradford (Heaton Reservoir)	Waterworks Engineer	5	1 0	531	...	27·72	164	123
D	Leeds (Farnley Hall) (+A)	City Engineer	5	1 0	405	...	22·20	147	106
	Leeds (Wortley Reservoir)	K. L. Forster, Esq., C.E.	5	0 9	307	28·1	22·45	141	108
	Leeds (Knostrop)	K. L. Forster, Esq., C.E.	5	0 9	75	24·0	20·12	159	109
D	Leeds (Civic Hall) (+A)	City Engineer	5	1 0	193	...	20·22	141	99
	Leeds (Woodhouse Moor)	K. L. Forster, Esq., C.E.	8	1 0	307	26·7	21·20	140	105
D	Seacroft (Leeds City Hospital)	Medical Superintendent	8	1 0	235	29·3	21·08	137	102
D	Leeds (Chapel Allerton)	E. J. Tibbs, Esq.	5	1 0	425	...	22·84	151	104

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with .01 in. or more	1953 Days with .04 in. or more
	WEST RIDING—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	9.—OUSE. Aire—(*contd.*)									
D	Leeds (Weetwood Filter Beds)	(+A)	City Engineer	8	1 0	328	27·5	22·86	134	109
D	Leeds (Roundhay Park)	(+A)	City Engineer	5	1 0	425	...	22·44	165	109
d	Haworth (Harbour Lodge)		G. E. V. Boldry, Esq., C.E.	5	1 0	1165	52·5	44·64	...	...
D	Haworth (Lower Laithe Res.)	(+A)	G. E. V. Boldry, Esq., C.E.	6	1 0	772	48·1	43·06	185	149
D	§Oakworth (Oldfield Filters)		G. E. V. Boldry, Esq., C.E.	5	1 0	978	...	39·44	188	146
M	§Oakworth (Keighley Moor)		G. E. V. Boldry, Esq., C.E.	5	1 0	1300	...	44·66	...	...
M	§Oakworth (Clough Hey)		G. E. V. Boldry, Esq., C.E.	5	1 0	1075	...	41·01	...	...
W	Oakworth (Newsholme Dean)		G. E. V. Boldry, Esq., C.E.	5	1 0	675	...	36·85	...	...
M	§Oakworth (Keighley Moor)	No. 2	G. E. V. Boldry, Esq., C.E.	5	1 0	1025	...	43·66	...	...
D	Rawdon (Sewage Works)		Aireborough U.D.C.	8	1 6	150	...	23·18	139	105
D	Rawdon (Micklefield House)		Aireborough U.D.C.	5	1 0	579	...	22·18	147	107
D	BINGLEY (St. Ives Research Station)		Director	8	1 0	610	...	28·52	150	122
D	§Bingley (Gilstead Filters)		Engineer, Bradford W.W.	5	1 0	572	...	26·73	172	126
D	Baildon (Weecher Reservoir)		Surveyor & W.W. Engineer	5	1 0	825	...	27·57	176	131
D	Hawksworth (Reva Reservoir)		Yeadon W.W. Co.	5	1 2	735	...	25·33	157	127
D	Adel (Lawns Wood Cemetery)		W. R. Pearson, Esq.	5	1 1	470	...	24·12	172	118
D	Keighley (The Knowle)		P. Clough, Esq.	5	1 0	390	...	32·73	161	129
D	Keighley (Hard Ings Lane)		Chief Sanitary Inspector	5	0 10	304	35·7	32·07	168	130
M	Bingley (Sunnydale Res.)		Engineer, Bradford W.W.	5	1 0	825	33·1	27·07	...	...
D	Guiseley (Moor Top)		Aireborough U.D.C.	8	1 6	750	...	25·01	157	113
d	Salterforth (Barnoldswick Waterworks)		Barnoldswick U.D.C.	8	1 4	832	46·6	48·89	...	...
D	Earby (Sewage Works)	(+A)	Surveyor	5	1 9	426	39·3	34·19	176	141
M	Silsden (Gill Grange)		Engineer, Bradford W.W.	5	1 0	883	30·8	29·70	...	...
D	Silsden Reservoir		Engineer, Bradford W.W.	5	1 0	560	...	29·00	176	132
M	Silsden (Cringles Reservoir Site)		Engineer, Bradford W.W.	5	1 0	715	31·3	29·62	...	...
D	Elslack (Stories Farm)		Barnoldswick U.D.C.	5	0 7	675	...	35·24	175	150
D	Skipton (Bowling Terrace)		A. Metcalf, Esq.	5	1 0	350	...	31·28	186	143
D	Skipton (Town Hall)	(+A)	K. B. Robinson, Esq.	8	1 2	367	33·5	30·18	184	136
d	Gargrave (Banks Hill Bank)		British Waterways	8	1 0	545	35·5	33·70	...	...
D	Winterburn (Long Hill)		British Waterways	8	1 0	705	37·8	35·69	189	160
W	Winterburn (Brown Hill)		British Waterways	8	1 0	961	42·8	35·63	...	...
d	Malham (Lee Gate)		British Waterways	5	1 0	1175	...	43·86	...	...
D	Settle (MALHAM TARN)		C. Promotion Field Studies	5	1 0	1297	...	54·75	212	168
	10.—OUSE. Wharfe. 408 sq. mi.									
D	CHURCH FENTON Airfield	(+A)	Meteorological Office	8	1 0	27	...	17·54	145	91
D	CAWOOD (Exp. Husbandry Farm)		Director	5	1 0	20	...	18·15	145	91
D	BRAMHAM (Headley Hall)		Leeds University	5	1 2	177	...	20·06	142	99
	Adel (Eccup, East)		K. L. Forster, Esq., C.E.	5	0 9	375	29·3	24·47	164	117
	Harewood (Arthington)		K. L. Forster, Esq., C.E.	8	0 9	139	...	23·67	161	112
d	Harewood House		The Earl of Harewood	5	0 10	300	29·7	24·10	...	...
D	Otley (Sewage Works)		J. A. A. Pratt, Esq., C.E.	5	1 7	172	...	23·25	143	112
D	ILKLEY (Spence's Garden)		Engineer & Surveyor	5	1 0	315	35·1	28·44	168	127
D	ASKHAM BRYAN		Yorkshire Inst. of Agriculture	5	1 0	90	...	18·24	135	99
	Leathley (Lindley Woods)		K. L. Forster, Esq., C.E.	8	0 9	312	31·6	25·20	165	123
D	Ilkley (March Ghyll Reservoir)		J. A. A. Pratt, Esq., C.E.	5	1 0	705	34·0	26·28	149	123
d	York (Bishopthorpe Road)		J. Terry & Sons, Ltd.	5	1 0	51	...	18·10	...	96
D	York (Acomb Landing)		York Waterworks Co.	5	1 0	40	22·6	17·67	155	97
	Skipton (Counter Hill)		Engineer, Bradford W.W.	5	1 0	951	30·2	27·82	...	...
D	Skipton (Chelker Reservoir)		Engineer, Bradford W.W.	5	1 0	730	32·9	28·86	181	136
d	Beamsley (Overdale)		Mrs. A. Downs	5	1 0	420	...	29·63	...	131
	Fewston (Timble Ings)		K. L. Forster, Esq., C.E.	5	0 9	912	...	33·43	178	136
	Fewston (Swinsty, East)		K. L. Forster, Esq., C.E.	8	0 9	460	34·4	26·64	166	119
	Fewston, North		K. L. Forster, Esq., C.E.	8	0 9	525	...	26·56	175	128
	Fewston (Blubberhouses)		K. L. Forster, Esq., C.E.	8	0 9	575	37·1	31·81	186	137

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WEST RIDING—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	10.—OUSE. Wharfe—(*contd.*)								
D	Bolton Abbey (Estate Office)	E. E. Hey, Esq.	5	1	368	36·3	30·70	177	136
D	§Barden Reservoir	Engineer, Bradford W.W.	5	1	746	41·8	41·20	211	155
M	Upper Barden Reservoir	Engineer, Bradford W.W.	5	1	1164	...	44·93	...	...
	Rocking Moor (Spittle Ings)	K. L. Forster, Esq., C.E.	5	1	967	...	36·95	165	141
	Thruscross (Lane Head)	K. L. Forster, Esq., C.E.	5	0	950	...	35·99	169	146
	§Burnsall (Thorpe Fell)	Engineer, Bradford W.W.	5	1	1649	...	47·79	...	...
	Burnsall (Sandbed Beck)	Engineer, Bradford W.W.	5	1	676	41·0	42·15	...	...
	Braithwaite Moor (High House)	K. L. Forster, Esq., C.E.	5	1	1068	...	37·75	174	146
d	Grassington (Ghaistrills)	Mrs. D. Sampson	5	1	650	...	44·23	...	...
D	Grimwith Reservoir	Engineer, Bradford W.W.	5	1	884	43·9	34·94	196	146
M	Grimwith (Trunla Hill)	Engineer, Bradford W.W.	5	1	1201	...	40·31	...	...
D	Oughtershaw	Mr. T. White	5	1	1117	...	56·55	207	171
	11.—OUSE. Nidd. 254 sq. mi.								
D	Spofforth (Sewage Works)	Harrogate Corporation	5	1	181	27·0	20·99	174	103
D	Tockwith School	W. Kirk, Esq.*	5	1	77	...	20·76	162	100
	§Harrogate W.W. (Ling Cottage)	Water Engineer, Harrogate	5	1	763	33·4	29·44	...	...
	Harrogate W.W. (Broad Dubb)	Water Engineer, Harrogate	5	1	725	34·1	28·45	...	...
	Harrogate W.W. (Cobblers Cottage)	Water Engineer, Harrogate	8	1	730	33·5	29·02	...	...
D	Harrogate W.W. (Ten Acres Res.)	Water Engineer, Harrogate	8	1	620	34·9	26·83	196	132
D	Harrogate W.W. (Scargill Res.)	Water Engineer, Harrogate	8	1	646	34·8	29·43	192	124
D	Harrogate W.W. (Beaver Dyke Res.)	Water Engineer, Harrogate	5	1	575	34·1	26·39	182	122
	§Harrogate W.W. (Long Stoop)	Water Engineer, Harrogate	5	1	700	33·8	27·30	...	...
	Harrogate W.W. (Knabb's Moor)	Water Engineer, Harrogate	5	1	700	32·5	27·98	...	...
D	Harrogate (Harlow Hill Reservoir)	Water Engineer, Harrogate	8	1	549	...	23·42	156	104
D	Harrogate (Irongatebridge Reservoir)	Water Engineer, Harrogate	8	1	455	29·3	24·18	157	113
d	Knaresborough (Water Tower)	Water Engineer, Harrogate	8	1	240	27·1	19·62	...	...
D	HARROGATE (Bilton Sewage Works)	Corporation	5	1	208	28·5	22·24	158	106
D	Birstwith Hall	Sir Cecil Aykroyd, Bart.	5	1	325	34·4	28·06	148	126
M	Ramsgill (Holme House, Gouthwaite)	Engineer, Bradford W.W.	5	1	464	39·9	33·37	...	...
D	Ramsgill (Raygill House)	Engineer, Bradford W.W.	5	1	925	46·7	40·93	166	139
D	Ramsgill	Engineer, Bradford W.W.	5	1	450	42·1	38·13	153	126
M	Nidderdale (East Gill Head)	Engineer, Bradford W.W.	5	1	1710	57·6	49·56	...	...
M	§Nidderdale (Rain Stang)	Engineer, Bradford W.W.	5	1	1470	47·4	47·90	...	...
M	Nidderdale (New Houses)	Engineer, Bradford W.W.	5	1	755	45·8	38·51	...	...
D	Nidderdale (West Houses)	Engineer, Bradford W.W.	5	1	1165	52·5	47·00	197	152
D	Scar House Reservoir	Engineer, Bradford W.W.	5	1	1085	...	42·11	193	141
	12.—OUSE. Ure. 110 sq. mi.								
d	Burton Leonard	B. Coore, Esq.	5	1	290	...	20·85	148	102
	Pateley Bridge (Skell Beck)	Water Engineer, Harrogate	5	1	900	...	35·31	...	...
D	Ripon (Wynhaven)	J. H. Abbott, Esq.	5	1	164	...	21·83	153	106
	Dallow Moor (Harper Hill)	K. L. Forster, Esq., C.E.	8	0	819	...	30·23	...	...
D	Ripon (Grammar School)	Headmaster	5	1	150	...	18·19	157	94
	Kirkby Malzeard (Drovers' Inn)	K. L. Forster, Esq., C.E.	5	0	576	36·0	29·56	170	122
	Kirkby Malzeard (Hawsett)	K. L. Forster, Esq., C.E.	5	0	820	37·1	29·75	158	125
W	Kirkby Malzeard (Hambleton Hill)	K. L. Forster, Esq., C.E.	8	0	1106	39·7	33·22	...	...
W	Kirkby M. (Stone & Ears Wham)	L. K. Forster, Esq., C.E.	5	0	1118	39·7	33·23	...	...
	EAST RIDING. (Area, 1,176 sq. mi.)								
	1.—OUSE. Left Bank Tributaries. 82 sq. mi.								
D	Riccall	Yorkshire Ouse River Board	5	1	18	...	17·28	147	95
D	York (The Retreat)	Secretary	5	1	60	...	20·19	150	100
D	Warter	Yorkshire Ouse River Board	5	1	290	...	22·82	144	109

* *Per* Yorkshire Ouse River Board. § Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	EAST RIDING—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—OUSE. Derwent. 248 sq. mi.								
D	Birdsall Gardens	Mr. J. Anderson	5	1 2	308	29·2	23·48	154	111
D	Rillington (Scampston Hall)	Mr. E. W. Hodgson*	5	1 6	102	27·1	21·25	142	105
D	Ganton (Golf Club)	Secretary	5	1 2	100	...	22·63	155	110
D	Ganton (Ganton Hall)	E. W. Wrigley, Esq.	5	1 0	250	27·5	22·43	155	103
	3.—HUMBER. Left Bank Tributaries. 675 sq. mi.								
D	§SPURN HEAD (R.N. Signal Station)	Chief Officer, for M.O.	5	1 0	29	22·7	19·18	131	93
D	Hessle (Sandford)	Lieut. C. S. Sherwood, R.N.V.R.	5	1 0	90	...	21·16	148	93
D	HULL (Pearson Park)	General Superintendent	5	0 10	8	25·4	21·41	147	98
D	Hull (Springhead)	Hull Waterworks	5	1 0	14	25·5	21·02	131	87
D	Anlaby (Beverley Rd.)	G. Leaf, Esq.	5	1 0	36	...	21·17	130	94
D	Burton Pidsea (The Nurseries)	C. Bromby, Esq.	5	1 0	23	...	(19·17)	153	100
D	Cottingham (Dunswell Pumping Stn.)	Hull Waterworks	5	1 0	6	...	19·27	154	98
d	Holme-on-Spalding Moor (Parkgate)	G. Allan, Esq.	8	1 0	30	23·6	(18·63)	135	95
D	Beverley (Broadgate Hospital)	Medical Superintendent	5	1 0	175	26·5	19·93	137	97
D	Beverley (Hull Bridge)	Hull & E. Yorks River Bd.	5	2 6	11	24·9	19·48	141	113
D	Market Weighton (Dalton Holme)	W. F. Cullen, Esq.	8	6 6	120	27·3	22·06	146	116
D	Brandesburton (Hempholme Lock)	Hull & E. Yorks River Bd.	5	2 6	11	24·6	19·60	127	100
D	Hutton Cranswick (Vicarage)	Rev. G. Storer	5	1 0	79	...	17·90	148	94
D	DRIFFIELD Airfield (+A)	Meteorological Office	5	1 0	65	...	20·97	149	98
D	Lowthorpe (The Elms)	W. J. Tindall, Esq.	5	1 0	63	26·5	21·88	168	111
d	Langtoft School	G. W. E. Ogden, Esq.	8	1 6	250	...	23·43	...	90
	4.—EAST COAST STREAMS. 171 sq. mi.								
D	Withernsea (High School)	E. Brown, Esq.	5	1 0	28	...	18·78	153	90
D	Hornsea (Town Hall)	Hornsea U.D.C.	5	1 0	12	...	18·10	129	94
D	Burton Agnes (Pumping Station)	H. South, Esq., C.E.	5	1 0	52	...	21·22	157	102
D	Bridlington (Mill Lane)	H. South, Esq., C.E.	5	1 0	157	...	20·67	148	96
D	HIGH MOWTHORPE	Farm Director	5	1 0	574	...	24·43	170	109
d	Weaverthorpe (The School House)	H. Wilkinson, Esq.	5	1 0	270	...	24·53	...	...
	Ganton (Willerby Wold)	Major W. F. Wormald	5	1 2	565	...	22·48	...	...
D	Filey (Rosedale Reservoir)	Water Engineer	5	1 0	197	...	20·18	140	94
D	Filey (Pumping Station)	Water Engineer	5	1 0	123	...	18·12	136	94
	NORTH RIDING. (Area, 2,155 sq. mi.)								
	1.—OUSE. Ure. 273 sq. mi.								
M	Masham Moor (Arnagill Beck West)	Water Engineer, Harrogate	5	1 0	1210	41·6	34·77	...	...
M	Masham Moor (Arnagill Beck East)	Water Engineer, Harrogate	5	1 0	1150	39·5	32·68	...	...
M	Masham Moor (Grey Ridge)	Water Engineer, Harrogate	5	1 0	1330	44·3	32·07	...	...
M	Masham Moor (Low Ash Head)	Water Engineer, Harrogate	5	1 0	845	40·7	35·41	...	...
M	Masham Moor (Agill Head)	Water Engineer, Harrogate	5	1 0	1380	43·4	40·42	...	...
D	Masham Moor (Roundhill Reservoir)	Water Engineer, Harrogate	8	1 0	743	37·6	30·67	182	133
D	Roundhill Reservoir No. 2	Water Engineer, Harrogate	8	1 0	925	38·8	31·84	178	128
W	Masham Moor (High Sour Mire)	K. L. Forster, Esq., C.E.	5	0 9	884	...	31·42	...	...
	Masham Moor (Leighton Reservoir)	K. L. Forster, Esq., C.E.	5	0 9	634	35·9	30·13	167	131
	Masham Moor (Towler Hill)	K. L. Forster, Esq., C.E.	5	0 9	820	36·7	31·19	173	134
	Masham Moor (Breary Bank)	K. L. Forster, Esq., C.E.	5	0 9	600	36·8	29·82	173	132
	Masham Moor (Healey Pasture)	K. L. Forster, Esq., C.E.	5	0 9	620	36·1	29·08	183	132
	Masham Moor (Low Houses)	K. L. Forster, Esq., C.E.	5	0 9	693	37·9	29·64	...	...
D	Bishopdale (Longridge)	Yorkshire Ouse River Board	5	1 0	810	...	46·59	159	146
D	West Burton (Flanders Hall)	Mrs. Johnson*	5	1 0	503	36·3	29·05	175	125
D	Leyburn (Spennithorne)	F. M. Curtis, Esq., F.R.Met.S.	5	1 0	358	29·9	24·98	170	106

§ Turf wall round gauge.

* *Per* Yorkshire Ouse River Board.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	NORTH RIDING—(*contd.*)			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—OUSE. Ure.—(*contd.*)									
D	Leyburn (Bolton Hall)		Head Gardener	5	1	0 420	32·6	27·95	158	121
	Leyburn (Overdale)		A. Rowntree, Esq.	5	1	0 550	...	23·07	...	...
D	Askrigg (Yorebridge Grammar School)		F. E. Chevins, Esq.	5	1	0 670	...	31·93	179	136
D	Hawes Junction (Moorland Cottage)		Mr. W. Ireland	5	1	6 1125	...	59·45	215	182
	2.—OUSE. Swale. 569 sq. mi.									
D	DISHFORTH Airfield		Meteorological Office	5	1	0 106	...	20·00	158	102
d	Coxwold (The Old Hall)		L. Geipel, Esq.	5	1	6 260	26·1	25·61	...	106
D	Thirsk (Topcliffe Airfield)	(+A)	Meteorological Office	5	1	0 81	...	20·74	153	100
D	Thirsk (Ashton House)		Mrs. F. E. Walker	5	1	6 112	...	22·82	153	107
D	Thirsk (Sowerby)		Mrs. M. Brown	5	1	0 110	24·7	22·85	162	109
D	Thirsk (South Villa)		B. Foggitt, Esq.	5	1	0 115	24·7	22·52	154	102
	Felixkirk (Thirlby)		A. J. Walker, Esq.	5	1	0 315	27·1	25·52	...	...
D	Felixkirk (Mount St. John)		A. J. Walker, Esq.	5	1	0 540	...	25·61	165	113
D	Felixkirk (Mount St. John)	(+A)	A. J. Walker, Esq.	5	1	0 540	26·5	25·70	168	113
	Boltby, East		A. J. Walker, Esq.	5	1	0 459	26·2	(28·03)	...	...
D	Maunby Hall		Col. A. Hill-Walker, V.C.	5	4	6 90	23·9	22·00	143	114
D	Scruton (Post Office)		C. Wainscoat, Esq.	5	1	0 110	23·8	(21·88)	161	112
D	Tunstall (Craggs Lane Farm)		E. B. Potts, Esq.	5	1	0 550	...	24·04	138	113
D	Swaledale (Rowleth End)		S. H. Clarke, Esq.	5	1	0 700	...	33·83	199	139
D	Swaledale (Gunnerside Lodge)		The Rt. Hon. Lord Peel	5	1	0 985	47·8	34·79	191	136
	Osmotherly (Oakdale W.W.)		Northallerton U.D.C.	5	1	0 600	28·3	25·72	...	...
D	East Harlsey (Harlsey Hall)		Mrs. Constantine	5	1	0 370	...	21·85	160	117
d	Richmond (C.E. School)		R. Hornby, Esq.	5	1	0 420	...	24·19	...	...
	3.—OUSE. Left Bank Tributaries. 153 sq. mi.									
D	Richmond (Green Howard Road)		Borough Surveyor*	5	1	0 605	...	27·63	164	109
D	Great Smeaton (Home Farm)		G. Currie, Esq.	5	1	0 208	...	21·03	148	103
D	YORK (Museum)		Yorks.Phil.Soc.(Dr.Collinge)	5	1	0 57	24·3	18·18	148	103
	4.—OUSE. Derwent. 509 sq. mi.									
D	Welburn		R. Child, Esq.	5	1	0 200	26·1	24·67	196	118
D	Malton (Broughton Road)		C. C. Laverack, Esq.	5	1	0 152	25·5	21·88	148	110
D	Hovingham Hall		Col. Sir William Worsley Bt.	5	0	9 119	29·0	21·02	146	110
D	AMPLEFORTH		Rev. T. L. Jackson, O.S.B.	5	1	0 313	...	26·00	162	129
D	Oswaldkirk (Leysthorpe Hall)		Major G. B. Foster	5	1	0 231	...	23·66	161	119
D	Wykeham (Low Moor)		R. J. Rennie, Esq.	5	1	0 692	...	28·09	164	126
D	Seamer (Irton Pumping Station)		H. V. Overfield, Esq., C.E.	5	1	0 94	28·7	22·97	153	96
D	Scarborough (Osgodby)		H. V. Overfield, Esq., C.E.	5	1	0 166	26·1	19·09	146	86
D	Kirkby Moorside (Ravenswyke)		Lt.-Col. V. H. Holt, M.C., J.P.	5	1	0 270	27·2	25·03	151	116
D	Hutton-le-Hole (Elphield)		R. W. Crosland, Esq.	5	1	0 340	...	27·70	181	130
D	Bilsdale (St. John's Church)		Yorkshire Ouse River Board	5	1	0 435	...	29·04	174	126
D	SILPHO MOOR		Forestry Commission	5	1	0 662	...	24·77	176	120
M	Bransdale 7		Hull Waterworks	5	1	0 1021	...	34·45	...	...
D	Farndale (Rudland Slack)	(+A)	Hull Waterworks	8	1	0 877	...	28·09	158	118
D	Farndale (Vicarage)	(+A)	Hull Waterworks	8	1	0 495	...	30·25	154	133
M	Rosedale 16		Hull Waterworks	5	1	0 587	...	32·02	...	...
M	Rosedale 19		Hull Waterworks	5	1	0 599	...	34·27	...	...
M	Rosedale 17A		Hull Waterworks	5	1	0 986	...	34·38	...	...
M	Bransdale 3		Hull Waterworks	5	1	0 739	...	34·89	...	...
M	Bransdale 4B		Hull Waterworks	5	1	0 1184	...	35·54	...	...
M	Farndale 9		Hull Waterworks	5	1	0 1015	...	34·69	...	...
M	Farndale 10		Hull Waterworks	5	1	0 574	...	34·99	...	...
M	Farndale 13		Hull Waterworks	5	1	0 1055	...	35·76	...	...
M	Farndale 14		Hull Waterworks	8	1	0 1286	...	35·54	...	...
M	§Rosedale 18		Hull Waterworks	5	1	0 1337	...	36·45	...	...
M	Rosedale 14A		Hull Waterworks	5	1	0 1329	...	36·24	...	...

* *Per* Yorkshire Ouse River Board. § Turf wall round gauge.

DIVISION IX—YORKSHIRE—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	NORTH RIDING—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	5.—ESK & C. 278 sq. mi.									
D	SCARBOROUGH	(+A)	Medical Officer of Health	5	1 0	118	25·8	20·90	155	107
D	Scarborough (Scalby)		Capt. Sir William Wordsworth	5	1 0	210	...	22·77	177	116
W	Goathland (Hydro)		E. N. Burn, Esq.	5	1 0	450	...	24·09	...	...
D	Danby (Botton Hall)		W. E. F. Macmillan, Esq.	5	1 0	720	...	33·36	187	129
D	Egton Bridge (Bridgeholme)		Mrs. Astley Smith	5	1 0	130	33·3	25·73	126	115
d	Sleights (Hall Cottage)		George Gibson, Esq.	5	1 0	235	30·7	(24·48)	...	...
D	Danby Lodge		Viscount Downe*	5	1 0	399	...	30·85	173	128
D	Whitby (Park Hall, Aislaby)		Miss M. A. N. Richardson	5	1 0	500	30·7	23·11	147	110
D	WHITBY (Pannett Park)		Park Superintendent	8	1 0	135	...	18·89	144	96
D	Mulgrave Castle		Yorkshire Ouse River Board	5	1 0	410	...	22·53	156	103
D	Guisborough (Lockwood Reservoir)		Cleveland Water Co.	8	1 0	632	33·0	27·00	197	127
D	Guisborough (Waterworks)		Guisborough U.D.C.	5	1 2	600	...	23·77	148	115
D	Saltburn (North Skelton Mine)		Dorman, Long & Co., Ltd.	5	1 0	304	...	22·12	139	103
D	REDCAR		Town Clerk	5	1 0	25	24·2	16·92	156	102
	6.—TEES. 373 sq. mi.									
D	Kildale Hall		Mrs. R. B. Turton	5	1 2	600	35·5	25·45	142	114
D	Crathorne Hall Gardens		Maj. Sir Thomas Dugdale	5	1 3	185	25·0	20·77	146	111
D	Barningham Park		Sir Frederick Milbank, Bart.	8	1 0	750	32·6	29·56	175	120
d	Yarm (Worsall Hall)		Major H. K. D. Evans	5	1 0	60	...	21·41	...	101
D	Nunthorpe (The Box)		G. D. Cochrane, Esq.	5	1 3	287	25·2	23·69	154	118
D	Middlesbrough (West Acklam)		H. C. White, Esq.	5	1 0	71	...	19·99	164	110
D	Middlesbrough (Albert Park)		H. C. Hildyard, Esq.	5	1 0	30	23·7	19·20	152	100
D	Middlesbrough (South Bank)	(+A)	N. C. Harrison, Esq., C.E.	5	1 0	41	...	18·35	151	106
D	Normanby (Iron Works)		Pease & Partners, Ltd.	5	1 0	14	...	18·96	140	103
	Baldersdale (Aygill)		T. S. R. Winter, Esq., C.E.	5	1 6	1250	49·5	39·95	...	...
D	Lartington Filters		T. S. R. Winter, Esq., C.E.	5	1 0	735	32·1	24·86	217	125
	Baldersdale (Blackton Reservoir)		T. S. R. Winter, Esq., C.E.	5	1 0	937	40·9	30·80	...	...
	Baldersdale (Balderhead)		T. S. R. Winter, Esq., C.E.	5	1 0	1360	45·7	39·25	...	...
D	Baldersdale (Hury Res.) *old g. site*		T. S. R. Winter, Esq., C.E.	5	1 0	856	36·0	29·09	202	141
D	Baldersdale (Hury Res.) *new g. site*		T. S. R. Winter, Esq., C.E.	5	1 0	862	37·3	28·42	202	149
	Lunedale (Dow Crag)		T. S. R. Winter, Esq., C.E.	5	1 0	1720	57·6	48·90	...	...
	Lunedale (Lunehead)		T. S. R. Winter, Esq., C.E.	5	1 0	1450	55·0	46·60	...	...
	Lunedale (Selset)		T. S. R. Winter, Esq., C.E.	5	1 0	924	40·3	32·70	...	...
D	Lunedale (Grassholme Reservoir)		T. S. R. Winter, Esq., C.E.	5	1 0	936	38·6	31·01	195	147
	Lunedale (Keekham)		T. S. R. Winter, Esq., C.E.	5	1 0	1660	62·1	54·30	...	...
	Lunedale (Hargill)		T. S. R. Winter, Esq., C.E.	5	1 5	1320	52·6	47·20	...	...

DIVISION X—NORTHERN COUNTIES

	DURHAM. (Area, 1,011 sq. mi.)									
	1.—TEES & C. 396 sq. mi.									
D	Darlington (South Park)		A. Peak, Esq.	5	1 0	150	27·1	21·05	142	102
D	Darlington (Waterworks)	(+A)	Borough Surveyor	5	1 0	161	...	22·14	144	95
D	Darlington (Broken Scar)		T. S. R. Winter, Esq., C.E.	5	1 0	158	26·2	22·42	140	102
D	Darlington (Fighting Cocks Reservoir)		T. S. R. Winter, Esq., C.E.	5	1 0	171	25·2	19·82	149	98
D	MIDDLETON ST. GEORGE	(+A)	Meteorological Office	5	1 0	114	...	20·06	144	99
D	Egglescliffe (Cranbourne)		G. Cellan-Jones, Esq.	5	1 2	93	24·0	22·33	160	106
D	Barnard Castle (Bowes Museum)		T. Wake, Esq.	5	1 0	500	30·4	24·67	165	112
D	Long Newton Reservoir		T. S. R. Winter, Esq., C.E.	5	0 9	184	25·5	21·19	167	106
D	Stockton-on-Tees (Ropner Park)		Park Curator	5	0 10	61	22·9	20·02	146	108
D	Stockton-on-Tees (Billingham)	(+A)	Imperial Chem. Indust., Ltd.	5	1 6	35	23·3	19·37	161	107

* *Per* Yorkshire Ouse River Board.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	DURHAM—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	1.—TEES & C.—(*contd.*)								
D	Staindrop (Raby Castle)	Lord Barnard, C.M.G., M.C.	5	1 0	450	27·6	22·73	150	116
d	Stillington Park	A. Kendall, Esq.	5	1 0	140	27·1	20·83	...	102
d	Eggleston (Wood Hill)	E. A. Smith, Esq.	5	1 0	1000	34·2	27·55	(193)	(137)
d	Shildon (Eden Grange)	J. T. Petty, Esq.	5	1 0	384	...	23·29	...	...
D	Middleton-in-Teesdale (Newbiggin)	Mrs. Coggins	5	1 0	1000	44·2	33·80	200	133
D	Forest-in-Teesdale (+A)	Postmistress, for M.O.	5	1 0	1250	...	42·28	214	158
D	Embleton (Crookfoot Reservoir)	J. Clough, Esq.	8	1 0	293	25·4	20·16	160	110
D	WEST HARTLEPOOL (The Clock)	H. Lamb, Esq.	5	1 0	30	...	17·17	149	103
D	West Hartlepool (Waterworks)	J. Clough, Esq.	5	1 0	35	24·7	17·29	164	112
D	Hurworth Burn Reservoir	J. Clough, Esq.	8	1 0	357	26·5	20·76	154	111
D	Hartlepool (Hart Reservoir)	J. Clough, Esq.	8	1 0	172	...	16·10	172	107
D	Shotton (New Winning Pumping Stn.)	A. G. McLellan, Esq., C.E.	8	1 0	402	29·4	22·85	179	116
D	Easington (Mill Hill Reservoir)	A. G. McLellan, Esq., C.E.	8	1 0	521	...	22·81	167	110
D	Seaham (Dalton Pumping Station)	A. G. McLellan, Esq., C.E.	8	1 0	345	27·0	21·67	173	109
	2.—WEAR. 464 sq. mi.								
D	Wolsingham (Shull)	Mrs. W. A. Mounsey	5	1 0	600	...	24·08	175	112
d	Stanhope (Parson Byers Quarry)	Dorman, Long & Co., Ltd.	5	1 6	860	31·7	25·99	...	120
	Burnhope (Grass Meres)	J. A. Rodwell, Esq., C.E.	5	1 3	1850	59·1	48·10	...	...
	Burnhope (Lodgegill Mine)	J. A. Rodwell, Esq., C.E.	5	1 3	1950	61·4	53·00	...	...
D	Burnhope Reservoir	J. A. Rodwell, Esq., C.E.	8	1 0	1160	...	42·02	214	162
	Cowshill (Wellheads Hush)	J. A. Rodwell, Esq., C.E.	5	1 6	1690	52·7	(42·60)	...	...
D	Durham (HOUGHALL Hort. Station)	Director of Agriculture	5	1 0	160	26·4	21·39	153	95
D	DURHAM (University Observatory)(+A)	Director	5	1 0	336	24·6	20·57	145	90
d	Durham (Neville Court)	J. A. Rodwell, Esq., C.E.	5	1 1	342	...	20·17	...	...
D	Weardale W.W. (Tunstall Reservoir)	J. A. Rodwell, Esq., C.E.	8	1 2	724	32·4	28·77	151	123
D	USHAW COLLEGE	President	5	1 0	594	28·2	22·20	156	99
	Weardale W.W. (Waskerley 6)	J. A. Rodwell, Esq., C.E.	8	1 0	1229	...	29·19	...	...
	Weardale W.W. (Waskerley 3)	J. A. Rodwell, Esq., C.E.	8	1 0	1433	...	29·50	...	...
D	Weardale W.W. (Waskerley)	J. A. Rodwell, Esq., C.E.	8	1 0	1179	33·1	31·12	210	129
	Weardale W.W. (Waskerley 1)	J. A. Rodwell, Esq., C.E.	8	1 0	1317	...	26·59	...	...
D	Lanchester (Craigmore)	Basil Sadler, Esq.	5	1 0	400	...	23·02	154	100
D	Consett (Stockley House)	Mrs. J. Shackleton	5	1 6	642	...	23·00	159	105
D	Lanchester (Langley Close)	Basil Sadler, Esq.	5	1 0	756	...	21·57	118	99
D	South Moor (Colliery Office)	Basil Sadler, Esq.	5	1 0	616	...	21·35	124	89
D	Ryhope (Pumping Station)	A. G. McLellan, Esq., C.E.	8	1 1	228	25·4	20·87	187	116
D	Sunderland (Thorneholme)	Medical Officer of Health	5	1 0	130	25·6	19·71	123	106
	3.—TYNE. Lower. 151 sq. mi.								
D	Hunstanworth (Presser Villa)	J. A. Rodwell, Esq., C.E.	5	1 0	1301	...	26·14	174	115
D	Weardale W.W. (Hisehope Reservoir)	J. A. Rodwell, Esq., C.E.	5	1 0	1450	...	27·08	194	113
D	Weardale W.W. (Smiddy Shaw)	J. A. Rodwell, Esq., C.E.	8	1 3	1128	34·1	26·65	172	118
M	Edmondbyers Common	A. G. McLellan, Esq., C.E.	5	1 0	1540	...	33·29	...	...
M	Edmondbyers (Feldon Burn)	A. G. McLellan, Esq., C.E.	5	1 0	1230	...	28·94	...	...
M	Edmondbyers (Harehope Burn)	A. G. McLellan, Esq., C.E.	5	1 0	970	...	27·62	...	...
M	Hunstanworth (Nookton Burn)	A. G. McLellan, Esq., C.E.	5	1 0	1360	...	34·05	...	...
M	Hunstanworth (Little Nookton)	A. G. McLellan, Esq., C.E.	5	1 0	1290	...	33·08	...	...
D	Hunstanworth (Boltshope)	A. G. McLellan, Esq., C.E.	5	1 0	1200	...	29·08	160	115
D	Hunstanworth (Belmount)	A. G. McLellan, Esq., C.E.	5	1 0	1250	...	28·71	166	123
d	Hunstanworth (Cross Hill)	A. G. McLellan, Esq., C.E.	5	1 0	1160	...	28·95	172	128
D	Edmondbyers Farm	A. G. McLellan, Esq., C.E.	5	1 0	850	...	27·35	168	121
d	Edmondbyers (Roughside)	A. G. McLellan, Esq., C.E.	5	1 0	730	...	25·60	...	...
d	Edmondbyers (Ridding)	A. G. McLellan, Esq., C.E.	5	1 0	680	...	24·75	...	...
D	Hunstanworth (Buckshott)	A. G. McLellan, Esq., C.E.	5	1 0	960	...	27·60	176	122
D	Muggleswick	A. G. McLellan, Esq., C.E.	5	1 0	700	...	25·37	142	109
D	Westwood (Sewage Works)	E. Simpkin, Esq., C.E.	5	0 8	255	...	22·95	165	115

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	DURHAM—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—TYNE. Lower—(*contd.*)								
D	BIRTLEY	Durham Chemicals, Ltd.	5	1 0	87	...	20·02	146	101
D	Ebchester (Blackhall Mill School)	Headmaster	5	1 0	150	...	20·06	135	90
D	Rowlands Gill (CHOPWELLWOOD)	Forestry Commission	8	1 0	446	28·7	21·90	159	109
D	GATESHEAD	Medical Officer of Health	5	1 0	509	...	20·65	159	106
D	Sunderland (Cleadon Pumping Stn.)	A. G. McLellan, Esq., C.E.	8	1 0	216	24·4	19·17	173	103
D	South Shields (Bents Park)	Medical Officer of Health	5	1 0	36	24·2	19·51	150	100
D	South Shields (South Pier Works)	Tyne Improvement Commis.	5	1 0	17	...	19·89	150	102
	NORTHUMBERLAND. (Area, 2,105 sq. mi.)								
	1.—EDEN. 20 sq. mi.								
	2.—SOUTH TYNE. 232 sq. mi.								
D	Allenheads	T. S. Foggitt, Esq.	5	1 5	1350	...	38·08	215	156
D	Haydon Bridge (Shaftoe Trust Sch.)	Headmaster	5	1 0	240	...	23·47	163	123
	3.—TYNE. Lower. 227 sq. mi.								
M	Upper Derwent (Quickleugh)	A. G. McLellan, Esq., C.E.	5	1 0	1380	...	35·78	...	...
M	Upper Derwent (Heatheryburn)	A. G. McLellan, Esq., C.E.	5	1 0	1250	...	34·60	...	...
D	Blanchland (Birkside)	A. G. McLellan, Esq., C.E.	5	1 0	1090	...	26·65	179	115
	Blanchland (Cowbyers)	A. G. McLellan, Esq., C.E.	5	1 0	1060	...	26·11	...	...
D	Blanchland (Pennypie)	A. G. McLellan, Esq., C.E.	5	1 0	1270	...	26·87	187	114
M	Blanchland (Acton Burn)	A. G. McLellan, Esq., C.E.	5	1 0	850	...	24·35	...	...
D	Newcastle Leazes Park)	City Engineer	5	1 0	255	26·4	21·12	140	108
D	Newcastle (Gosforth)	T. R. Dowdeswell, Esq.	5	1 0	246	...	20·40	144	105
D	Throckley Filters	Newcastle & Gatesh'd W. Co.	5	1 1	300	...	20·11	155	112
D	North Shields (Billy Mill Reservoir)	C. F. J. Lisle, Esq., C.E.	5	1 0	195	...	19·91	153	113
D	Tynemouth (Tyne Pier Works)	Tyne Improvement Commis.	5	1 0	54	25·1	20·73	149	110
D	TYNEMOUTH (Coastguard Station)	Station Officer, for M.O.	5	1 0	108	24·5	19·45	140	100
D	Whittle Dene Filters	Newcastle & Gatesh'd W. Co.	5	1 1	353	26·6	21·71	152	113
D	Whittle Dene Reservoir	Newcastle & Gatesh'd W. Co.	5	1 0	380	25·3	20·58	155	110
	4.—NORTH TYNE. 433 sq. mi.								
D	Barrasford	Newcastle & Gatesh'd W. Co.	8	1 0	207	...	22·71	178	110
D	Simonburn (Park End)	A. H. Ridley, Esq.	5	1 0	300	...	28·02	161	123
	Ryal Cottage	Newcastle & Gatesh'd W. Co.	5	0 9	463	29·1	21·32	...	...
	Hallington Village	Newcastle & Gatesh'd W. Co.	5	1 0	467	29·9	21·41	...	...
D	Hallington Reservoir	Newcastle & Gatesh'd W. Co.	5	1 0	470	29·3	21·27	173	108
M	Hallington (Fawcett)	Newcastle & Gatesh'd W. Co.	5	1 2	537	28·2	23·10	...	...
M	Hallington (Cheviott)	Newcastle & Gatesh'd W. Co.	5	1 2	576	27·8	22·55	...	...
	Camphill	Newcastle & Gatesh'd W. Co.	5	1 0	650	29·4	25·47	...	...
D	Colt Crag Reservoir	Newcastle & Gatesh'd W. Co.	5	1 0	655	*29·3*	26·38	193	140
D	Bower Moor (Bower)	Forestry Commission	5	1 0	500	...	33·17	160	129
D	Falstone (Wickhope)	Forestry Commission	5	1 0	550	...	41·07	197	159
D	Wark (Ladyhill)	Forestry Commission	5	1 0	820	...	36·96	239	155
M	Green Crag	Newcastle & Gatesh'd W. Co.	5	1 0	900	30·4	26·89	...	...
D	BELLINGHAM (Highgreen)	Sir Charles Morrison-Bell, Bt.	5	1 0	849	35·4	31·17	202	142
D	KIELDER CASTLE	Forestry Commission	5	1 0	660	47·8	44·45	218	163
	§Kielder (Ridge End)	Newcastle & Gatesh'd W. Co.	5	1 0	851	...	40·34	202	159
d	§Kielder (Kielder Head)	Newcastle & Gatesh'd W. Co.	5	1 0	807	...	42·06	...	...
	§Kielder (Carry Burn)	Newcastle & Gatesh'd W. Co.	5	1 0	1043	48·7	(42·06)	...	...
	§Kielder (Little Gunn's Cleugh)	Newcastle & Gatesh'd W. Co.	8	1 0	1110	49·8	44·05	...	...
	§Redewater (Countess Crag)	Newcastle & Gatesh'd W. Co.	5	1 0	1600	50·0	47·94	...	...
M	Redewater (Chattlehope)	Newcastle & Gatesh'd W. Co.	5	1 0	1100	46·7	41·39	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	NORTHUMBERLAND—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—NORTH TYNE—(*contd.*)								
D	Redewater (Catcleugh)	Newcastle & Gatesh'd W. Co.	5	1 0	819	44·7	40·18	228	187
W	§Redewater (Game Park)	Newcastle & Gatesh'd W. Co.	5	1 0	900	48·8	42·98	...	...
M	§Redewater (Black Cleugh)	Newcastle & Gatesh'd W. Co.	5	1 0	950	...	41·37	...	...
	5.—COQUET & C. 840 sq. mi.								
	Whittington	Newcastle & Gatesh'd W. Co.	8	1 0	528	28·1	21·01	...	...
	Burnside	Newcastle & Gatesh'd W. Co.	5	1 0	419	27·2	21·31	...	...
D	Whitley Bay (Marden House)	R. J. Oliver, Esq.	5	1 0	100	...	20·33	161	110
D	Kirkwhelpington	J. Wardle, Esq.	5	1 3	581	...	26·12	148	115
D	Maiden Hall (Stanton Nook)	C. F. J. Lisle, Esq., C.E.	5	1 0	277	...	21·34	170	122
D	Morpeth (COCKLE PARK)	King's College, Newcastle	5	1 0	325	28·7	19·81	158	104
D	Rothley (Harwood)	Forestry Commission	5	1 0	770	...	30·52	148	128
D	Morpeth (Tritlington School)	H. Graham, Esq.	5	1 0	250	...	20·20	177	109
D	Font Reservoir (Tynemouth W.W.)	C. F. J. Lisle, Esq., C.E.	10	1 2	620	31·1	24·66	168	146
D	Rothbury (Cemetery)	Northumb. & Tyneside R. Bd.	5	1 0	300	...	24·72	169	120
D	ACKLINGTON Airfield (+A)	Meteorological Office	5	1 0	138	...	19·97	161	111
D	Callaly Castle Gardens	G. Milne, Esq.	5	1 4	350	...	23·53	169	116
D	Uswayford	Northumb. & Tyneside R. Bd.	5	1 0	1230	...	39·01	187	141
D	Howick Hall Gardens	The Earl Grey	8	1 0	110	28·2	21·02	177	115
D	Stamford	W. Robertson, Esq.	5	1 0	175	...	19·86	167	110
D	Chathill (Preston Tower)	H. Baker Cresswell, Esq.	8	1 0	140	28·3	24·27	173	131
D	Embleton (Newton House)	Capt. A. J. Baker Cresswell	5	1 0	75	...	21·52	176	129
D	Belford (Newlands)	Miss C. J. H. Sanderson	5	4 8	160	...	17·67	169	113
	6.—TWEED. 262 sq. mi.								
d	Cheviot Hills (Linhope)	Northumb. & Tyneside R. Bd.	5	1 0	900	39·9	36·12	...	130
D	Ilderton (Lilburn Tower Gardens)	Mr. C. Lovett	5	1 0	250	30·4	23·79	179	122
D	Mindrum	Northumb. & Tyneside R. Bd.	5	1 0	300	...	25·17	167	124
D	Cornhill (Pallinsburn)	Mrs. A. Turnbull	5	1 0	135	...	19·62	136	105
D	BERWICK-ON-TWEED (Ramparts)	Borough Surveyor	5	1 0	76	23·4	19·11	142	122
	7.—INSULAR. 1 sq. mi.								
	CUMBERLAND. (Area, 1,516 sq. mi.)								
	1.—EDEN & SOLWAY. 887 sq. mi.								
D	Watermillock (Lake View)	T. Slee, Esq.	5	0 8	560	...	51·02	208	159
D	Penrith (Hutton John)	N. Hudleston, Esq.	5	1 0	688	...	41·69	144	138
D	Penruddock School	Headmaster	5	1 6	850	...	41·01	186	145
d	Penrith (Castle Park)	Engineer & Surveyor	5	1 0	490	...	(24·95)	(167)	(125)
D	Penrith (Arthur Street)	Mrs. E. Sinclair	5	1 0	500	36·4	25·19	199	138
D	Penrith (NEWTON RIGG)	Cumberland County Council	5	1 0	560	36·4	26·18	170	130
D	Uldale (Chapel House Reservoir)	J. R. Watters, Esq.	8	1 0	620	46·2	43·56	167	157
D	Penrith (Nunwick Hall)	Lt.-Col. C. H. F. Thompson	5	2 0	258	31·8	24·95	178	126
D	Penrith (Great Salkeld)	Rev. G. A. K. Hervey	5	1 0	350	...	24·59	193	128
D	Troutbeck (Wellbank)	Miss R. A. S. Streatfield	5	1 0	800	...	58·32	202	161
d	Renwick	Cumberland River Board	5	1 0	712	...	34·04	...	...
D	Wigton (Brookfield)	J. Carruthers, Esq., B.A., B.Sc.	5	1 0	110	36·7	32·19	187	138
d	Wreay Vicarage	Rev. J. Sanderson	5	1 0	300	31·5	24·05	...	142
D	SILLOTH Airfield (+A)	Meteorological Office	5	1 0	24	...	32·89	191	139
D	Geltsdale	L. J. A. Stow, Esq.	5	1 2	778	36·8	34·88	213	158
D	Carlisle (Spital Cemetery)	Superintendent	8	1 0	114	31·8	29·40	203	145
	Carlisle (Denton Holme)	W. Pogson, Esq.	5	1 0	57	30·1	28·00	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	CUMBERLAND—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—EDEN & SOLWAY—(*contd.*)								
D	Carlisle (Rose Hill)	H. Lonsdale, Esq.	8	1 3	105	...	32·19	195	154
d	Carlisle (Sewage Works)	L. J. A. Stow, Esq., C.E.	5	1 0	39	...	29·68	(198)	(145)
D	Bewcastle (Stockastead)	Border R.D.C.	5	1 0	750	*47·5*	43·54	217	188
	2.—DERWENT. 257 sq. mi.								
M	Styehead Tarn	F. Bainbridge, Esq., for M.O.	5	1 0	1472	*145·8*	188·00	...	...
M	Styehead (A)	F. Bainbridge, Esq., for M.O.	5	1 0	1100	*139·8*	175·00	...	...
M	Borrowdale (Stockley Bridge)	F. Bainbridge, Esq., for M.O.	5	1 0	585	*130·9*	149·00	...	...
M	Borrowdale (Seathwaite)	F. Bainbridge, Esq., for M.O.	5	1 0	423	122·0	124·25	...	...
	Helvellyn (Hill Top Gill)	Manchester Corpn. W.W.	5	1 0	1025	...	104·11	...	...
	§Ullscarf	Manchester Corpn. W.W.	5	1 0	2100	119·8	100·21	...	...
D	Thirlmere (The Nook)	Manchester Corpn. W.W.	5	1 0	621	...	97·93	254	191
	§Helvellyn (Birkside)	Manchester Corpn. W.W.	5	1 0	1900	...	98·99	...	...
	Wythburn	Manchester Corpn. W.W.	5	1 0	610	96·8	98·16	...	...
	Helvellyn (Brown Cove)	Manchester Corpn. W.W.	5	1 0	1800	...	91·63	...	...
D	Watendlath Farm	W. Tyson, Esq.	5	1 0	800	*88·5*	77·36	200	179
D	§Thirlmere (Dale Head Hall)	Manchester Corpn. W.W.	5	1 0	620	86·7	83·11	253	190
D	KESWICK (High Hill) (+A)	Tom Wilson, Esq.	5	1 0	254	54·9	51·23	202	156
D	Braithwaite (Black Wood)	C. Barnes, Esq.	8	1 0	400	*60·3*	61·87	203	158
d	Keswick (Mirehouse)	Miss Spedding	5	1 1	280	49·8	49·33	...	...
D	Workington (Stainburn Reservoir)	H. Kay, Esq., C.E.	5	1 0	180	36·9	39·71	191	148
D	Cockermouth (Waterworks)	M. M. Dixon, Esq.	5	1 0	350	...	40·25	197	157
	3.—WEST COAST STREAMS. 235 sq. mi.								
d	Bootle (Fellside)	Millom R.D.C.	5	1 0	265	...	42·42	...	...
d	Ravenglass (The Grove)	Ian McWilliam, Esq.	5	1 0	70	42·5	39·79	204	152
D	SELLAFIELD (Windscale Works)	Ministry of Supply, for M.O.	5	1 0	43	...	36·33	177	147
D	Gosforth (Netherwasdale)	J. M. Sewell, Esq.	5	1 0	180	...	58·72	207	179
D	Braystones	H. H. Watson, Esq.	5	1 0	36	37·5	38·34	186	149
	Beckermet (Bankfield)	J. R. Atkinson, Esq.	5	1 0	132	...	35·56	...	...
	Wast Water (Wasdale Head)	H. H. Watson, Esq.	5	1 0	280	...	103·15	...	...
	Ennerdale (Gillerthwaite)	H. H. Watson, Esq.	5	1 0	445	...	89·25	...	...
D	Whitehaven (Stanley Pond)	National Coal Board	5	1 6	45	47·5	41·46	189	147
D	St. Bees Head Lighthouse (+A)	Principal Keeper, for M.O.	5	1 0	400	...	37·23	196	142
D	Whitehaven (Scragill Reservoir)	Engineer & Surveyor	8	1 0	188	43·5	37·68	210	148
D	Workington (Coke Ovens)	Workington Iron & Steel Co.	5	1 2	29	...	34·44	165	141
	4.—DUDDON & C. 50 sq. mi.								
D	Millom (Lanthwaite)	Millom R.D.C.	5	1 0	145	...	52·21	225	178
D	§Ulpha	Water Engineer, Barrow	5	1 0	251	77·7	76·69	227	188
	5.—SOUTH TYNE. 87 sq. mi.								
D	Alston (Garrigill)	W. E. Richardson, Esq.	5	1 0	1124	...	46·42	201	158
D	ALSTON (Grammar School)	W. E. Richardson, Esq.	5	1 0	1069	49·0	45·00	205	162
	WESTMORLAND. (Area, 783 sq. mi.)								
	1.—EDEN. 373 sq. mi.								
D	Kirkby Stephen (Eden Place)	Miss Marcia Mason, J.P.	5	1 0	544	...	28·80	193	141
	§Wasdale Pike	Manchester Corpn. W.W.	5	1 0	1825	79·4	89·90	...	...
	Mosedale (Mosedale Cottage)	Manchester Corpn. W.W.	5	1 0	1443	87·8	100·71	...	...
	§Mosedale (Artle Crag)	Manchester Corpn. W.W.	5	1 0	2134	...	96·45	...	...
	Wet Sleddale (Mirethwaite)	Manchester Corpn. W.W.	5	1 0	995	64·7	78·35	...	...
	§Sleddale (High Wether Howe)	Manchester Corpn. W.W.	5	1 0	1620	...	73·00	...	...
	§Mardale (Riggindale)	Manchester Corpn. W.W.	5	1 0	892	...	93·95	...	...
	§Shap (Birkbeck Fell)	Manchester Corpn. W.W.	5	1 0	935	56·0	55·14	...	...
	Swindale Parsonage	Manchester Corpn. W.W.	5	1 0	875	*70·0*	(66·35)	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	WESTMORLAND—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—EDEN—(*contd.*)								
	§Mardale (Whelter)	Manchester Corpn. W.W.	5	1 0	819	...	81·72	...	...
	§Mardale (Low Raise)	Manchester Corpn. W.W.	5	1 0	2465	...	96·99	...	...
	Shap (Thornship Gill)	Manchester Corpn. W.W.	5	1 0	844	57·3	49·61	...	...
	§Mardale (Guerness)	Manchester Corpn. W.W.	5	1 0	905	...	71·55	...	...
	§Hawes Water (Wallow Crag)	Manchester Corpn. W.W.	5	1 0	1412	*72·1*	67·64	...	...
	Hawes Water (Naddle House)	Manchester Corpn. W.W.	5	1 0	825	60·5	53·09	...	...
	Hawes Water (Sandhills)	Manchester Corpn. W.W.	5	1 0	824	69·6	58·93	...	...
	Measand Beck (Keasgill)	Manchester Corpn. W.W.	5	1 0	1800	*82·7*	84·16	...	...
D	§Hawes Water (Burn Banks)	Manchester Corpn. W.W.	5	1 0	835	*65·0*	56·12	219	161
M	§Bampton (Atkinsons Grain)	Manchester Corpn. W.W.	5	1 0	2175	*87·5*	69·81	...	...
d	Patterdale (Greenside Mine)	Basinghall Mining Synd. Ltd.	5	0 9	1081	91·9	86·13	...	...
	§Bampton (Sealhole Grain)	Manchester Corpn. W.W.	5	1 0	1775	...	70·57	...	...
	Bampton (Stanegarth)	Manchester Corpn. W.W.	5	1 0	913	59·5	53·00	...	...
	Cawdale Beck (Howe Grain)	Manchester Corpn. W.W.	5	1 0	1130	*67·6*	60·43	...	...
	Heltondale (Kidmoor)	Manchester Corpn. W.W.	5	1 0	1043	...	50·76	...	...
D	Martindale (Howtown)	G. G. Rylands, Esq.	5	1 0	600	...	58·00	194	154
D	Appleby Castle	Cumberland River Board	5	1 0	440	35·0	26·15	194	120
	Appleby (Bongate Cross)	E. H. Illingworth, Esq.	5	1 0	520	...	25·92	...	...
d	Penrith (Lowther Castle)	Mr. J. Jeffrey	5	1 0	760	41·8	33·78	...	137
D	Penrith (Barton House)	Mrs. Legh Tolson	5	1 0	500	42·4	34·30	182	141
D	Pooley Bridge (Bowerbank)	H. T. Thompson, Esq.	5	0 9	500	...	35·11	183	137
d	Temple Sowerby	Cumberland River Board	5	1 0	355	...	24·46	...	...
	2.—LEVEN. 60 sq. mi.								
D	Windermere (Nurseries)	Windermere U.D.C.	5	0 10	350	*61·6*	66·16	225	184
D	Windermere (Holehird)	H. L. Groves, Esq.	5	1 0	500	68·0	72·16	235	188
D	Windermere (Brockhole)	C. Bateman, Esq.	5	0 8	175	66·3	69·65	220	178
D	Windermere (Briery Close)	Mrs. E. L. Hedley	5	1 0	325	...	69·60	227	179
d	Troutbeck (The Howe)	Dr. A. E. Ainscow	5	0 9	496	...	71·03	...	...
D	AMBLESIDE	The Lakes U.D.C. (Clerk)	5	1 0	145	70·9	73·86	224	178
D	Rydal (The Hall)	R. E. Porter, Esq.	5	1 0	354	82·1	86·08	225	188
D	Great Langdale (Long House)	Mrs. G. Satow	5	1 0	340	...	107·86	222	190
D	Grasmere (Meadow Brow)	J. Abbott, Esq.	5	1 0	350	88·5	88·84	227	198
	3.—KENT. 188 sq. mi.								
D	Milnethorpe (Crooklands)	British Waterways	5	1 0	156	...	41·70	205	156
D	Heversham (Plumtree Hall)	Miss Lilian Watson	5	1 0	120	45·7	37·21	199	161
D	Levens (Beathwaite)	John A. Bush, Esq.	5	1 2	125	*46·8*	46·38	212	163
D	Killington Reservoir	British Waterways	5	1 0	670	*49·8*	53·67	181	177
D	Kendal School	N. Whitton, Esq.	5	1 0	136	...	52·10	198	162
D	Kendal (Gasworks)	Gas Engineer	5	1 3	146	*48·2*	48·99	202	159
D	Kendal (Fisher Tarn Reservoir)	Water Engineer	5	1 0	742	*51·7*	55·55	228	178
D	Kendal (Ellergreen)	J. W. Cropper, Esq.	5	1 6	270	58·2	59·83	224	178
d	Kendal (Potter Fell)	J. W. Cropper, Esq.	5	2 0	750	70·6	86·45	...	164
	4.—LUNE. 122 sq. mi.								
	5.—TEES. 40 sq. mi.								
	Lunedale (Conny Pot)	T. S. R. Winter, Esq., C.E.	5	1 0	1840	...	49·40	...	...
	Moor House (Burnt Hill Weir)	Nature Conservancy	5	1 0	1840	...	65·49	...	...
D	MOOR HOUSE (Dufton)	Nature Conservancy	5	1 0	1850	...	63·65	257	203
	Moor House (Mine Road End)	Nature Conservancy	5	1 0	1840	...	63·96	...	...
	Moor House (Bog Hill Weir)	Nature Conservancy	5	1 0	1710	...	65·10	...	...

§ Turf wall round gauge

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	MONMOUTHSHIRE. (Area, 534 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—RHYMNEY. 39 sq. mi.								
D	Machen Quarry	Machen Quarries, Ltd.	5	2 0	250	...	44·53	163	126
	2.—EBBW. 88 sq. mi.								
D	Rogerstone (Newport Golf Links)	W. H. Halsey, Esq.	5	0 8	304	...	41 89	150	128
D	Abercarn (Nantydraenog Reservoir)	W. Cory Goddard, Esq., C.E.	5	1 0	715	...	48·52	168	139
D	Blackwood	T. J. Jones, Esq.	5	0 10	650	...	46·46	168	128
D	Abertillery (The Park)	Medical Officer of Health	5	1 0	600	57·2	50·99	149	129
D	Cwmtillery Reservoir	W. Cory Goddard, Esq., C.E.	5	1 0	1130	...	49·44	166	127
d	Tredegar (Laboratory)	National Coal Board	5	2 0	950	...	51·20	...	...
D	TREDEGAR (Bedwellty Park)	Urban District Council	5	1 0	992	...	53·90	168	138
D	Ebbw Vale (Iron Works)	Richard Thomas & Baldwins	8	1 0	930	...	45·93	169	133
D	Ebbw Vale Waterworks (Carno S.)	J. Grafton Hoskins, Esq., C.E.	5	1 0	1262	...	51·34	178	142
d	Beaufort (Blaen-y-Cwm Reservoir)	Richard Thomas & Baldwins	8	1 0	1340	...	49·21	...	...
	3.—USK & C. 290 sq. mi.								
d	Portskewett (Sudbrook)	British Railways	8	1 0	51	...	27·95	...	...
D	NEWPORT (Cleppa Park E.H.S.)	Director	5	1 0	65	...	36·68	154	122
D	Newport W.W. (Ynis-y-fro Reservoir)	Newport Corporation	5	1 0	130	...	39·68	168	128
D	Newport W.W. (Pant-yr-eos Reservoir)	Newport Corporation	5	1 0	435	...	52·35	179	139
D	Newport W.W. (Llanvaches)	Newport Corporation	5	0 10	456	...	35·80	158	125
D	Newport W.W. (Nantypridd)	Newport Corporation	5	1 0	500	...	36·81	150	124
D	Cwmbran No. 1	Cwmbran Developmt. Cpn.	5	1 0	550	...	44·93	157	134
D	Cwmbran No. 2	Cwmbran Developmt. Cpn.	5	1 0	280	...	41·09	149	119
D	Shirenewton (Filter House)	Chepstow Water Co.	8	2 10	300	...	35·05	154	123
D	Newport W.W. (Newchurch)	Newport Corporation	5	1 0	550	...	36·12	150	123
D	USK	Monmouth Agric. Institute	5	1 0	70	...	34·89	134	111
d	Llanarth (Blackfriars School)	Rev. Father J. D. Cheales, O.P.	5	1 0	140	...	29·92	...	...
D	Abergavenny (Parc Llettis)	Mrs. L. Whitehead, O.B.E.	5	1 0	325	...	32·65	132	110
D	Abergavenny (Plâs Derwen)	Alan Whitehead, Esq.	5	1 6	299	...	35·62	137	108
D	Abergavenny (Ty-Clyd)	F. D. Llewelyn, Esq.	5	1 0	272	45·1	36·93	139	111
D	Abergavenny (Kenfy)	Dr. W. T. Wales	5	1 0	230	37·5	36·11	133	105
D	Grwyne Fawr (Coed Dias)	Late Miss Baker-Gabb	5	1 0	900	44·6	32·74	164	124
D	Chepstow (Bethdour)	Chepstow Water Co.	5	1 3	176	...	33·48	159	119
	4.—WYE. 117 sq. mi.								
D	Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	1 5	52	...	25·88	140	103
d	Brynderi School	W. G. De Winton, Esq.*	5	1 0	500	...	31·61	...	...
D	Skenfrith	W. J. Hamer, Esq.*	5	1 0	140	32·7	29·04	144	104
D	Trewyn	Mrs. C. C. Molyneux	5	0 10	500	40·5	32·23	154	118
d	Grosmont	B. Beale, Esq.	5	1 0	420	...	30·89	...	110
	GLAMORGAN. (Area, 808 sq. mi.)								
	1.—LOUGHOR. 55 sq. mi.								
D	Felindre (Blaennant Ddu) South	T. Price, Esq., C.E.	5	1 3	346	...	55·01	186	147
D	Felindre (Lower Lliw Reservoir)	T. Price, Esq., C.E.	8	1 0	416	...	58·48	194	154
D	Felindre (Upper Lliw Reservoir) (+A)	T. Price, Esq., C.E.	8	1 3	599	...	62·44	203	153
	2.—GOWER PENINSULA. 62 sq. mi.								
D	Gower (Penrice Castle)	Major B. C. Smartt	5	2 0	30	...	40·70	165	135
D	Penmaen (Cefn Môr)	Mrs. R. S. Palmer	5	1 6	300	41·5	42·03	163	140
	3.—TAWE. 47 sq. mi.								
D	SWANSEA (Victoria Park) (+A)	Town Clerk	8	1 0	32	44·7	43·29	150	128
d	Clydach	Mond Nickel Co., Ltd.	5	1 0	78	...	51·52	...	...
D	Clydach (Wernfadog)	C. G. Bellingham, Esq.	8	1 0	400	...	55·06	159	134
D	Ystalyfera (Wern House)	Miss L. Williams	5	1 6	240	64·8	63·16	178	152

* *Per* Wye River Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	GLAMORGAN—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	4.—NEATH. 82 sq. mi.								
D	Briton Ferry (Cefn Cwrt)	Borough Engineer, Neath	5	1 0	503	47·7	51·28	180	149
D	Neath (Oil Refineries)	National Oil Refineries, Ltd.	5	1 0	145	...	51·23	158	130
D	Neath (Cimla Reservoir)	Borough Engineer	5	1 0	360	...	53·56	162	139
D	Neath (Gnoll Reservoir)	Borough Engineer	5	1 0	204	52·1	51·73	172	141
D	Rhondda W.W. (Llyn Fawr Reservoir)	J. B. Hughes, Esq.	5	1 0	1220	93·3	87·16	188	166
D	Resolven (Brynawelon)	Forestry Commission	5	1 0	250	...	57·77	180	151
	5.—OGMORE & C. 350 sq. mi.								
D	St. Athan	H. Thomas, Esq.	5	1 0	50	...	30·50	137	123
D	LLANDOW Airfield	Meteorological Office	5	1 6	265	...	37·84	164	121
d	Lower Penarth	Surveyor	5	1 0	66	34·9	34·16	...	...
D	Penarth (Cemetery)	Surveyor	5	1 0	99	...	33·90	152	122
D	Penarth (West House)	Surveyor	5	1 0	148	37·1	34·11	152	119
D	Cardiff (Cogan Pumping Station)	G. W. Cover, Esq., C.E.	5	1 0	121	37·7	37·29	148	125
d	Cowbridge (Tair Onen Nursery)	Forestry Commission	5	1 0	421	...	44·96	...	...
D	Cardiff (St. Fagan's Castle)	Mr. F. W. Chivers	5	1 0	100	48·5	43·06	144	127
D	Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	5	1 0	300	...	44·13	171	132
	Cowbridge (Pwllwy)	Mid-Glamorgan Water Bd.	5	1 0	92	...	43·94	...	...
D	PORTHCAWL (Griffin Park)	Urban District Council	5	1 0	19	....	37·24	142	124
	Merthyr Mawr (Schwyll)	Mid-Glamorgan Water Bd.	5	1 3	45	...	39·59	...	...
	Merthyr Mawr	R. I. Nicholl, Esq.	5	1 0	75	42·9	41·05	...	...
D	Bridgend (Erw Graig)	H. J. Randall, Esq.	8	1 6	50	...	41·93	215	144
D	Llanharan (Sewage Works)	H. Thomas, Esq.	5	1 0	175	...	48·81	169	138
d	Margam (Kenfig Factory)	British Industrial Solvents Ltd.	5	1 0	35	...	38·47	151	127
D	Llangeinor (Blackmill Hospital)	Matron	5	0 6	703	...	49·70	155	131
D	PORT TALBOT	Steel Co. of Wales, Ltd.	5	1 0	24	...	43·61	166	129
D	Maesteg (Salisbury Road)	H. L. Davies, Esq.	5	1 0	560	62·8	59·81	168	141
D	Maesteg (Isolation Hospital)	Engineer & Surveyor	8	1 0	600	62·8	62·56	188	148
D	Maesteg (Welfare Park) (+A)	Engineer & Surveyor	5	1 0	550	...	68·63	184	159
d	Pontycymmer	Mid-Glamorgan Water Bd.	8	1 0	560	...	76·11	...	...
D	Ogmore Vale	Mid-Glamorgan Water Bd.	8	1 2	580	84·7	80·69	184	155
	6.—TAFF. 157 sq. mi.								
D	Rhubina Reservoir	G. W. Cover, Esq., C.E.	5	1 0	336	48·1	47·40	166	124
D	Pontypridd (Ty-Gwyn Reservoir)	Pontypridd & Rhondda W.B.	5	1 6	725	...	54·38	171	141
d	Pontypridd (Treforest Secondary Sch.)	W. C. John, Esq.	5	1 0	360	...	57·25	...	...
D	Pontypridd (Boys' Grammar School)	E. G. Mort, Esq.	5	1 5	330	...	54·69	170	130
D	Pontypridd (Coedpenmaen Road)	R. M. Harrison, Esq.	5	1 0	265	...	57·00	175	131
D	Pontypridd (Lanwood Reservoir)	Pontypridd & Rhondda W.B.	5	1 6	300	...	55·84	171	137
D	Porth Park	A. H. Gillard, Esq.	5	1 0	400	...	64·09	174	140
D	Pontypridd (Llanfabon)	W. D. Lewis, Esq.*	5	1 6	600	...	53·67	175	139
D	§Treorchy (Pumping Station)	A. H. Gillard, Esq.	5	1 0	515	...	76·08	179	153
D	Ferndale Park	A. H. Gillard, Esq.	5	1 0	860	...	67·80	160	144
D	Treharris (Service Reservoir)	D. C. W. Jones, Esq., C.E.	5	1 3	765	52·3	49·23	185	149
D	Treherbert Park	A. H. Gillard, Esq.	5	1 0	600	...	81·48	185	157
D	Mountain Ash (Darranlas Reservoir)	Engineer & Surveyor	5	0 11	540	63·0	57·17	163	137
D	§Treherbert (Tyn-y-waun)	J. B. Hughes, Esq.	5	1 0	801	87·0	83·61	175	161
D	Rhondda (Castell Nos Reservoir)	Pontypridd & Rhondda W.B.	5	1 0	1060	...	81·51	180	148
D	Rhondda (Lluest Wen Filter)	Pontypridd & Rhondda W.B.	5	1 0	1200	...	82·73	180	161
D	Rhondda (Lluest Wen Reservoir)	Pontypridd & Rhondda W.B.	5	1 0	1280	89·0	89·14	180	166
D	Merthyr Tydfil (Penybryn Filters)	D. C. W. Jones, Esq., C.E.	5	1 3	937	54·0	46·29	183	158
D	Merthyr Tydfil (Bronygarth)	F. L. G. Bevan, Esq.	5	1 0	770	...	43·35	173	128
D	Dowlais	Imperial Chem. Indust. Ltd.	5	1 0	1075	...	45·54	161	141
D	Dowlais (Gwernllwyn)	A. F. Adams, Esq.	5	1 0	1071	51·4	47·24	174	138
D	Dowlais (Garth Filter Beds)	A. C. Quiningborough, Esq.	5	1 0	1245	...	47·52	200	148

* *Per* Pontypridd & Rhondda Joint Water Board.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	GLAMORGAN—(*contd.*)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—RHYMNEY. 55 sq. mi.									
D	Cardiff (Roath Park)		Chief Officer of Parks	5	1 0	51	41·6	36·88	145	122
D	CARDIFF (Penylan)	(+A)	Medical Officer of Health	5	1 0	202	41·4	38·59	158	123
D	Cardiff (Heath Filters)		G. W. Cover, Esq., C.E.	5	1 0	132	41·3	38·39	165	121
D	Llanishen Reservoir		G. W. Cover, Esq., C.E.	5	1 0	155	39·4	38·41	153	122
D	Ystrad Mynach (Park Lane)		E. B. Johnstone, Esq.	5	1 0	506	...	50·59	159	131
D	Rhymney Bridge Reservoir	(+A)	Engineer	8	0 6	1150	...	48·78	206	162
	CARMARTHENSHIRE. (Area, 918 sq. mi.)									
	1.—TEIFI. 87 sq. mi.									
	2.—TOWY & C. 715 sq. mi.									
d	Whitland		Wilts United Dairies, Ltd.	5	1 0	60	...	44·48	...	...
	Carmarthen (Llangunnor Road)		S.W. Wales River Board	8	1 6	19	...	46·05	185	136
D	Carmarthen (St. Davids Avenue)		E. W. Francis, Esq.	5	1 0	100	...	48·32	195	140
D	Carmarthen (Cwmoernant Reservoir)		E. Gooseman, Esq.	5	1 0	135	...	51·51	204	168
D	Carmarthen (Fryn-hir)		C. V. Lewis, Esq.	5	1 0	155	...	50·99	212	141
D	Llandilo (Golden Grove Farm Inst.)		J. L. Lloyd, Esq.	5	1 0	100	...	50·33	193	142
D	Llandilo (Dynevor Castle)		Mr. Ben Davies	8	1 0	202	53·2	49·38	224	155
W	Llyn-y-fan Fach (Waen Sychlwch)		Llanelly R.D.C.	5	1 0	1647	103·0	96·16	...	...
D	Llyn-y-fan Fach (Nant Coch)		Llanelly R.D.C.	5	1 0	1172	77·8	71·73	172	158
W	Llyn-y-fan Fach (Bua'r Llyn)		Llanelly R.D.C.	5	1 0	1650	102·0	102·07	...	...
D	Llyn-y-fan Fach (Troed-y-Foel)		Llanelly R.D.C.	5	1 0	867	...	68·47	171	153
D	Llanddeusant (Pontcrynfe)		J. Thomas, Esq.	5	1 0	323	55·6	50·68	208	140
D	Conwil-Elvet (Cwmtawel Reservoir)		E. Gooseman, Esq.	5	1 0	350	...	60·66	197	156
D	Brechfa		Capt. C. Joynson	5	1 0	290	64·8	60·67	212	148
D	Abergorlech		S. L. Davies, Esq.	5	1 0	245	59·5	57·80	191	149
D	Llandovery (Nantyrhogfaen)		D. T. M. Jones, Esq.	5	1 0	249	50·8	46·03	199	152
d	Cynghordy (Clynsaer)		B. R. Gibbins, Esq.	5	1 0	490	...	47·10	...	...
D	Rhandirmwyn (Nantywyn)		Capt. H. R. H. Vaughan	5	1 0	475	...	49·18	219	156
	3.—LOUGHOR & C. 104 sq. mi.									
D	Llanelly (Filter Beds)		Llanelly U.D.C.	5	1 0	237	48·7	48·11	177	141
D	Llanelly (Cwmlliedi Waterworks)		Llanelly U.D.C.	5	1 1	240	48·7	49·34	172	140
d	Pembrey (The Colony)		Forestry Commission	5	1 0	19	...	39·52	...	...
D	Llanelly (Upper Lliedi Reservoir)		Llanelly U.D.C.	5	0 11	290	...	49·66	165	139
D	Kidwelly		Llanelly U.D.C.	5	1 6	60	...	48·65	170	152
W	Llannon Reservoir		Llanelly R.D.C.	5	1 0	860	...	62·21	...	...
	4.—TAWE. 7 sq. mi.									
	5.—USK. 5 sq. mi.									
	Upper Usk 2		T. Price, Esq., C.E.	5	1 0	1390	...	48·75	...	...
	Upper Usk 3		T. Price, Esq., C.E.	5	1 0	1350	...	47·75	...	...
	Upper Usk 4		T. Price, Esq., C.E.	5	1 0	990	...	52·75	...	...
	Upper Usk 5		T. Price, Esq., C.E.	5	1 0	1090	...	65·25	...	...
	Upper Usk 6		T. Price, Esq., C.E.	5	1 0	1390	...	72·00	...	...
	6.—WYE.									
	PEMBROKESHIRE. (Area, 617 sq. mi.)									
	1.—TEIFI. 37 sq. mi.									
	2.—NEVERN & C. 91 sq. mi.									
D	Goodwick (Trenewydd)		Mrs. G. M. Johns	5	1 0	300	...	33·09	182	126
	3.—WEST COAST STREAMS. 82 sq. mi.									

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	PEMBROKESHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—CLEDDAU & C. 407 sq. mi.								
d	Pembroke (Stackpole Court)	Mr. F. G. Garlick	5	1 6	60	39·3	32·28	...	...
D	TENBY (The Priory)	Borough Council	8	1 0	64	40·9	36·40	172	125
D	PEMBROKE DOCK (+A)	Meteorological Office	5	1 0	34	...	36·71	167	118
d	Milford Haven (Grammar School)	C. Davies, Esq.	5	1 0	170	...	35·82	155	127
D	MILFORD HAVEN	Murex Ltd.	5	1 0	179	...	30·91	164	119
d	Narberth (Blackpool)	Forestry Commission	8	1 0	300	...	39·93	...	...
D	HAVERFORDWEST (Hospital Grounds)	Borough Surveyor	5	1 0	133	...	37·85	179	128
D	Maenclochog (Ddolwen Bridge)	Prescelly Water Board	5	1 0	740	...	52·65	186	154
d	Letterston (Trecwn House)	Superintending Engineer	8	1 0	391	...	46·88	...	...
	CARDIGANSHIRE. (Area, 688 sq. mi.)								
	1.—DOVEY. 20 sq. mi.								
	2.—YSTWYTH & C. 347 sq. mi.								
D	ABERPORTH (+A)	Meteorological Office	5	1 0	376	37·5	32·91	181	127
	Llanafan (Blaenddol)	R. Roberts, Esq., for M.O.	5	1 0	500	...	46·00	...	...
D	TRAWSCOED	Farm Director, E.H.F.	5	1 0	200	...	38·83	169	135
	ABERYSTWYTH (Corporation Yard)	Town Clerk	8	1 0	12	36·5	34·80	168	141
d	Aberystwyth (University Field)	Messrs. G. M. Howe & R. A. Yates	5	1 0	24	...	32·79	...	...
D	ABERYSTWYTH (P.B.S.)	Director, Plant Breeding Stn.	5	1 0	452	...	37·95	207	134
	LLETY-EVAN-HEN	Director, Plant Breeding Stn.	5	1 0	950	...	44·46	189	158
d	§Afon Rheidol (Nant-y-moch)	Water Engineer, Aberystwyth	5	1 0	1060	...	71·22	...	162
M	§Plynlimon (Llygad Rheidol) *higher*	Water Engineer, Aberystwyth	5	1 0	1660	...	75·00	...	...
M	§Plynlimon (Llygad Rheidol) *lower*	Water Engineer, Aberystwyth	5	1 0	1650	87·0	77·20	...	...
	3.—TEIFI. 260 sq. mi.								
D	Llandyssul (Joyous Gard)	I. T. Hughes, Esq., M.A., J.P.	5	1 6	390	...	38·82	162	133
	Llandyssul (Sychpant Horeb)	J. A. Davies, Esq.	5	1 0	341	...	43·17	...	...
D	Cardigan (Plas Llangoedmore)	D. Berrington Davies, Esq.	5	1 0	120	...	32·32	182	134
	4.—TOWY. 46 sq. mi.								
	5.—WYE. 15 sq. mi.								
	§Birmingham W.W. (Llyn Gynon)	C. A. Risbridger, Esq., C.E.	5	1 0	1500	70·7	58·00	...	...
	§Birmingham W.W. (Bwlchyrhendre)	C. A. Risbridger, Esq., C.E.	5	1 0	1585	67·4	56·10	...	...
	Birmingham W.W. (Claerddu)	C. A. Risbridger, Esq., C.E.	5	1 0	1470	71·6	61·95	...	...
	Birmingham W.W. (Gwngu)	C. A. Risbridger, Esq., C.E.	5	1 0	1490	...	55·63	...	...
D	§Birmingham W.W. (Abergwngu)	C. A. Risbridger, Esq., C.E.	5	1 0	1150	67·1	59·86	206	164
	BRECKNOCKSHIRE. (Area, 733 sq. mi.)								
	1.—TOWY. 17 sq. mi.								
	2.—TAWE. 41 sq. mi.								
D	Swansea W.W. (Nantyrwydd)	T. Price, Esq., C.E.	5	0 10	908	...	67·63	183	...
	3.—NEATH. 48 sq. mi.								
D	Ystradfellte Reservoir	Engineer (Neath R.D.C.)	5	1 0	1147	77·4	70·56	184	151
	4.—TAFF. 48 sq. mi.								
D	Aberdare (Nanthir Reservoir)	H. W. Crowther-Green, Esq.	5	1 0	860	59·6	47·73	225	157
D	Cardiff W.W. (Cefn-Coed-y-Cymmer)	G. W. Cover, Esq., C.E.	5	1 0	790	...	47·36	182	142
D	Taf Fechan (Pontsticill) No. 12 (+A)	A. C. Quiningborough, Esq.	5	1 0	1031	59·1	51·58	185	144
D	Cardiff W.W. (LLWYNON Res.) (+A)	G. W. Cover, Esq., C.E.	5	1 0	860	62·0	54·67	188	149

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in or more
	BRECKNOCKSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	4.—TAFF—(*contd.*)								
	Cardiff W.W. (Garn Ddu)	G. W. Cover, Esq., C.E.	5	1	0 1340	70·3	62·03	...	...
d	Cardiff W.W. (Garw-nant)	G. W. Cover, Esq., C.E.	5	1	0 1100	75·5	67·24	...	...
w	Cardiff W.W. (Nant-Gwineu)	G. W. Cover, Esq., C.E.	5	1	0 1200	67·5	62·60	...	...
w	Cardiff W.W. (Cefn Gougarn)	G. W. Cover, Esq., C.E.	5	1	0 1362	75·7	63·54	...	...
w	Cardiff W.W. (Llysiog)	G. W. Cover, Esq., C.E.	5	1	0 1080	68·7	63·60	...	...
D	Taf Fechan (Pentwyn Res. S.) No. 15	A. C. Quiningborough, Esq.	5	1	0 1120	68·0	60·26	188	154
	Taf Fechan (Pentwyn Res. N.) No. 16	A. C. Quiningborough, Esq.	5	1	0 1090	66·5	59·15	...	...
w	Cardiff W.W. (Twyn-Gareg)	G. W. Cover, Esq., C.E.	5	1	0 1501	86·7	69·73	...	...
D	Cardiff W.W. (Cantref Res.)	G. W. Cover, Esq., C.E.	5	1	0 1120	69·9	61·78	190	155
D	Cardiff W.W. (Beacons Res.)	G. W. Cover, Esq., C.E.	5	1	0 1357	79·3	70·30	202	159
w	Cardiff W.W. (Nant Penig)	G. W. Cover, Esq., C.E.	5	1	0 2000	92·9	79·56	...	...
D	Cardiff W.W. (Storey Arms Field)	G. W. Cover, Esq., C.E.	5	1	0 1430	88·5	69·95	198	159
w	Cardiff W.W. (Blaen Taf Fawr)	G. W. Cover, Esq., C.E.	5	1	0 1675	85·7	71·01	...	...
D	Taf Fechan (Neuadd Res.) No. 1	A. C. Quiningborough, Esq.	5	1	0 1462	...	59·62	208	154
D	Taf Fechan (Neuadd Res.) No. 1A	A. C. Quiningborough, Esq.	5	1	0 1423	...	61·66	198	144
D	Taf Fechan (Neuadd Res.) No. 4	A. C. Quiningborough, Esq.	5	1	0 1487	83·0	61·93	207	150
D	Taf Fechan (Neuadd Reservoir) No. 11	A. C. Quiningborough, Esq.	5	1	0 1524	...	61·81	207	152
D	Taf Fechan (Neuadd Res.) No. 11A	A. C. Quiningborough, Esq.	5	1	0 1520	...	68·33	207	154
M	Taf Fechan (Neuadd Res.) No. 2	A. C. Quiningborough, Esq.	5	1	0 1993	...	82·40	...	...
M	Taf Fechan (Neuadd Res.) No. 5	A. C. Quiningborough, Esq.	5	1	0 1515	83·3	73·15	...	...
M	Taf Fechan (Neuadd Res.) No. 10	A. C. Quiningborough, Esq.	5	1	0 1700	72·7	67·80	...	...
M	Taf Fechan (Neuadd Res.) No. 7	A. C. Quiningborough, Esq.	5	1	0 2017	92·2	77·40	...	...
M	Taf Fechan (Neuadd Res.) No. 8	A. C. Quiningborough, Esq.	5	1	0 1723	87·4	78·20	...	...
M	Taf Fechan (Neuadd Res.) No. 6	A. C. Quiningborough, Esq.	5	1	0 2099	95·4	92·00	...	...
	5.—RHYMNEY. 2 sq. mi.								
	6.—EBBW. 7 sq. mi.								
D	Ebbw Vale W.W. (Llangynidr) 1	J. G. Hoskins, Esq.	5	1	0 1413	58·8	51·32	177	139
D	Ebbw Vale W.W. (Llangynidr) W3	J. G. Hoskins, Esq.	5	1	0 1468	...	54·81	177	141
D	Ebbw Vale W.W. (Llangynidr) NW2	J. G. Hoskins, Esq.	5	1	0 1471	...	52·96	177	139
D	Ebbw Vale W.W. (Carno, E.)	J. G. Hoskins, Esq.	5	1	0 1391	...	52·06	178	141
D	Ebbw Vale W.W. (Carno, W.)	J. G. Hoskins, Esq.	5	1	0 1412	...	53·29	178	142
D	Ebbw Vale W.W. (Carno, N.)	J. G. Hoskins, Esq.	5	1	0 1491	...	52·35	177	139
	7.—USK. 299 sq. mi.								
D	Gilwern (Bryn-yr-Haul)	R. E. John, Esq.	5	1	0 590	...	41·80	165	126
	Torpantau (Ynysposte)	Newport Corporation	5	1	0 741	66·8	59·13	...	...
	Torpantau (Blaen-caer-fanell)	Newport Corporation	5	1	0 1584	73·2	61·01	...	...
	Talybont (Pwll Ifor)	Newport Corporation	5	1	0 1224	65·3	58·08	...	...
	Talybont (Rhyd-Dine)	Newport Corporation	5	1	0 1224	...	58·48	...	...
D	Talybont (Filter House)	Newport Corporation	5	1	0 554	56·0	45·59	168	133
M	Talybont (Craig Pwllfa)	Newport Corporation	5	0	7 1796	73·7	59·82	...	...
D	Talybont (Tyle Clydach)	Newport Corporation	5	0	11 709	55·8	46·55	163	130
	Talybont (Nant-y-Llanerch)	Newport Corporation	5	1	0 1007	66·7	56·52	...	...
D	Crickhowell (Glanusk Park)	Margaret Lady Glanusk	5	1	0 290	43·7	32·03	147	116
D	Crickhowell (Penmyarth)	Margaret Lady Glanusk	5	1	0 330	...	33·20	150	123
	Swansea W.W. (Cray Res.) No. 2	T. Price, Esq., C.E.	5	1	0 1019	71·7	66·89	...	...
D	Swansea W.W. (Cray Res.) No. 1 (+A)	T. Price, Esq., C.E.	5	1	0 1043	67·2	60·01	190	149
	Cray Post Office	J. A. Jones, Esq., for M.O.	5	1	0 930	69·1	58·88	...	...
D	Talybont (Ashford)	J. Henderson, Esq.	5	1	0 360	45·6	37·02	156	121
d	Llanfrynach (Ty-mawr)	Miss M. D. de Winton	5	1	0 450	*42·8*	38·72	...	128
M	Crickhowell (Tal-y-maes)	Mrs. E. Jones, for M.O.	5	1	0 1250	46·7	37·50	...	...
D	Trecastle (Blaenau-hydfer)	Mr. M. Davies, for M.O.	5	1	0 970	63·2	52·63	185	157
D	Brecon (Tairbull School)	W. O. Davies, Esq.	5	1	0 660	52·0	37·28	156	131

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	BRECKNOCKSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—USK—(*contd.*)								
D	Brecon (Ffrwdgrech)	Capt. J. D. D. Evans	5	1 0	560	...	34·37	161	120
D	Brecon (Waterworks)	Borough Engineer	5	1 0	550	...	33·72	184	126
d	Brecon (Mount Street School)	Headmaster	5	0 11	494	...	33·72	...	...
D	Black Mountains (Blaen-y-cwm)	W. Cory Goddard, Esq., C.E.	5	1 0	1423	54·5	43·92	177	140
D	Black Mtns. (The Dam, Grwyne Fawr)	W. Cory Goddard, Esq., C.E.	5	1 0	1787	56·0	43·36	177	141
	8.—WYE. 271 sq. mi.								
D	Cathedine Rectory	Rev. H. J. Phillips, for M.O.	5	1 6	650	38·3	28·39	170	117
d	Felin Fach	Mrs. G. Griffiths*	5	1 0	546	...	27·23	...	...
D	Llanfillo (County School)	Headmistress*	5	1 0	700	...	28·73	155	124
d	Talgarth (Maescoch)	F. T. Morgan, Esq.	5	1 3	500	*33·2*	21·78	...	...
D	Talgarth (South Wales Sanatorium)	Physician Superintendent	5	1 0	500	...	29·58	165	122
W	Llanwrtyd Wells (Abernant)	T. A. Poole, Esq.*	5	1 0	632	57·2	43·20	...	...
D	Llanwrtyd Wells (Genau Cwm Irfon)	J. C. Jones, Esq.	8	0 9	800	...	52·95	204	156
D	Garth	T. A. Poole, Esq.*	5	1 0	541	...	40·79	186	149
M	Abergwesyn (Trallwn)	D. I. Felix, Esq., for M.O.	5	1 0	1000	75·5	60·90	...	...
D	Beulah (Llwyn Madoc)	Mr. T. C. Smith	5	1 0	763	...	45·05	194	151
	Llanafanfawr School	W. D. Swan, Esq.	5	0 8	800	...	43·09	...	...
M	Llanfihangel (Llwyncynar)	J. Francis, Esq., for M.O.	5	1 0	745	...	40·20	...	...
D	Newbridge (Llysdinam)	Sir Michael Venables Llewelyn	5	1 3	646	41·2	33·76	179	132
M	§Birmingham W.W. (Cors-yr-hwch)	C. A. Risbridger, Esq., C.E.	5	1 0	1775	87·3	72·45	...	...
M	§Birmingham W.W. (Esgair Ceiliog)	C. A. Risbridger, Esq., C.E.	5	1 0	1560	77·3	67·65	...	...
M	§Birmingham W.W. (Llyn-Carw)	C. A. Risbridger, Esq., C.E.	5	1 0	1775	79·3	68·55	...	...
M	§Birmingham W.W. (Nant-y-car)	C. A. Risbridger, Esq., C.E.	5	1 0	1545	76·5	63·20	...	...
M	§Birmingham W.W. (Arban)	C. A. Risbridger, Esq., C.E.	5	1 0	1500	73·2	66·85	...	...
M	§Birmingham W.W. (Tyn-y-pant)	C. A. Risbridger, Esq., C.E.	5	1 0	1320	62·0	50·95	...	...
M	§Birmingham W.W. (Esgair Garthen)	C. A. Risbridger, Esq., C.E.	5	1 0	1590	75·5	65·05	...	...
D	Birmingham W.W. (Elan Village)	C. A. Risbridger, Esq., C.E.	5	1 0	700	54·4	43·96	204	147
	RADNORSHIRE. (Area, 474 sq. mi.)								
	1.—WYE. 424 sq. mi.								
D	Glasbury-on-Wye	Mr. R. A. Bufton*	5	1 0	276	...	27·13	153	119
D	Llyswen (Llanstephan House Gdns.)	Lady Milford	5	1 3	440	...	34·87	160	129
D	Erwood (Cwrt Gwenddwr)	Mr. J. E. Bufton*	5	1 0	407	...	36·27	188	136
D	Hay (Llanbwchllyn) *lower*	Painscastle R.D.C.	5	1 0	985	...	31·40	171	124
M	§Hay (Llanbwchllyn) *upper*	Painscastle R.D.C.	5	1 0	1400	...	37·95	...	...
D	Newchurch	H. Lloyd, Esq.*	5	1 0	801	...	29·14	168	124
D	§Builth (Cefndyrys)	E. N. Thomas, Esq.	5	1 0	740	41·5	32·29	176	126
d	Llansaintfraed-in-Elvel	W. J. Jones, Esq.*	5	1 0	673	38·7	31·13	...	...
	Llanfihangel-nant-Melan	J. C. B. Slater, Esq.*	5	1 0	985	...	35·63	...	...
D	Presteigne (Evancoyd)	Major C. J. L. Lewis	5	1 0	744	...	28·86	163	119
D	LLANDRINDOD WELLS (The Common)	Clerk to the U.D.C.	5	1 0	772	...	32·48	179	126
D	Cascob (Forester's Lodge)	Forestry Commission	5	1 0	1000	...	36·33	162	135
D	§Birmingham W.W. (Tyrmynydd)	C. A. Risbridger, Esq., C.E.	5	1 0	832	62·1	48·15	214	152
D	Birmingham W.W. (Ciloerwynt)	C. A. Risbridger, Esq., C.E.	5	1 0	1045	...	52·31	217	159
D	Birmingham W.W. (Nantgwillt)	C. A. Risbridger, Esq., C.E.	5	1 0	840	63·2	47·57	213	150
	§Birmingham W.W. (Esgair Gader) 2	C. A. Risbridger, Esq., C.E.	5	1 0	1500	67·3	60·74	...	...
	Birmingham W.W. (Tynllidiart)	C. A. Risbridger, Esq., C.E.	5	1 0	1006	62·9	51·87	...	...
M	§Birmingham W.W. (Claerwen)	C. A. Risbridger, Esq., C.E.	5	1 0	1250	67·7	(56·10)	...	...
D	§Birmingham W.W. (Tynant)	C. A. Risbridger, Esq., C.E.	5	1 0	1020	64·3	55·22	211	152
D	§RHAYADER	R. Ashton, Esq., for M.O.	5	1 0	757	47·0	37·77	184	139
D	Rhayader (East Street)	R. Ashton, Esq.	5	1 0	700	49·2	38·70	176	136
d	Llanddewi-Ystradenny	J. E. Price, Esq.*	5	1 0	767	...	32·26	...	...
M	§Birmingham W.W. (Cerigllwydion)	C. A. Risbridger, Esq., C.E.	5	1 0	1710	72·4	63·40	...	...

* *Per* Wye River Board. § Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	RADNORSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	1.—WYE—(*contd.*)								
M	§Birmingham W.W. (Pen-y-gareg) 1	C. A. Risbridger, Esq., C.E.	5	1 0	1500	...	47·96	...	...
M	§Birmingham W.W. (Pen-y-gareg) 2	C. A. Risbridger, Esq., C.E.	5	1 0	1540	...	47·63	...	...
	Birmingham W.W. (Bryn Hir)	C. A. Risbridger, Esq., C.E.	5	1 0	1470	74·2	(64·40)	...	...
	Birmingham W.W. (Abercaethon)	C. A. Risbridger, Esq., C.E.	5	1 0	1240	67·1	(59·15)	...	...
M	§Birmingham W.W. (Calettwr)	C. A. Risbridger, Esq., C.E.	5	1 0	1490	72·5	63·35	...	...
D	Abbey Cwmhir (The Hall)	Col. J. L. Philips	5	0 10	877	...	34·80	169	135
d	Llangunllo	H. Kendrick, Esq.*	5	1 0	776	...	34·10	...	...
	§Birmingham W.W. (Figin) 2	C. A. Risbridger, Esq., C.E.	5	1 0	1700	81·3	(68·20)	...	...
M	Birmingham W.W. (Aberhenllan)	C. A. Risbridger, Esq., C.E.	5	1 0	1070	64·8	(56·85)	...	...
	Llanbister (Llananno)	Mrs. A. Jones, for M.O.	5	1 0	900	45·1	38·50	...	...
D	St. Harmons	J. Hope, Esq.*	5	1 0	918	...	39·20	163	135
D	Llanbadarn-fynydd	Mr. P. A. Stephens*	5	1 0	974	...	33·75	204	139
D	St. Harmons (Pen-Ithon)	Mrs. L. O. Morris*	5	1 0	1200	...	34·84	190	138
	2.—SEVERN. Right Bank Tributaries. 50 sq. mi.								
	MONTGOMERYSHIRE. (Area, 797 sq. mi.)								
	1.—DOVEY. 120 sq. mi.								
D	Machynlleth (Garth)	M. Bourne, Esq.	5	1 0	90	...	51·45	201	153
D	Corris (Ceinws Camp)	Forestry Commission	5	1 0	246	...	67·22	185	157
	2.—YSTWYTH. 7 sq. mi.								
	3.—WYE. 37 sq. mi.								
D	Birmingham W.W. (Bod-Talog)	C. A. Risbridger, Esq., C.E.	5	1 0	1250	65·8	60·41	202	175
	Birmingham W.W. (Glan-Fedwen)	C. A. Risbridger, Esq., C.E.	5	1 0	1375	67·7	61·91	...	...
	Llangurig (Dernol)	E. W. Price, Esq., for M.O.	5	1 0	870	52·7	(51·40)	...	...
D	Llangurig (Manod)	Capt. M. Bennett-Evans*	5	1 0	1050	...	75·61	208	172
	4.—SEVERN. Right Bank Tributaries. 154 sq. mi.								
D	Llanidloes (Hillfield)	G. E. Edwards, Esq.	5	1 6	550	...	33·51	162	120
d	Newtown (Mochdre Reservoir)	Surveyor	5	0 9	650	...	29·68	...	...
D	Hafren Nursery	Forestry Commission**	5	1 0	1200	...	53·03	155	143
M	Clywedog (Cwm Biga)	Montgomery County Council	5	1 0	1015	...	60·55	...	...
d	Clywedog (Aber Biga)	Montgomery County Council	5	1 0	900	...	(51·40)	...	...
M	Clywedog (Hafod Cadwgan)	Montgomery County Council	5	1 0	1150	...	65·80	...	...
M	Clywedog (Dol Bachog)	Montgomery County Council	5	1 0	1030	...	55·50	...	...
d	Newtown (Penarth Weir)	British Waterways	8	1 0	321	35·0	31·22	...	...
D	Newtown (Gregynog Hall Gardens)	G. C. Austin, Esq.	5	1 0	650	...	28·49	151	124
	5.—SEVERN. Left Bank Tributaries. 479 sq. mi.								
D	Berriew (Brithdir Hall)	Mrs. F. E. Marston	5	1 0	350	30·7	27·14	151	124
D	WELSHPOOL (County School)	Headmaster	5	1 0	254	30·1	22·51	156	114
D	Welshpool (Fron Llwyd)	Col. G. B. D. Harrison	5	1 3	500	33·7	27·45	147	119
M	Gam (Cwm Derwen)	Montgomery County Council	5	1 0	960	...	54·85	...	...
D	Gam (Abercannon Farm)	Montgomery County Council	5	1 0	800	...	59·51	195	153
M	Gam (Afon Cannon)	Montgomery County Council	5	1 0	1120	...	59·85	...	...
M	Garthbeibio (Ole Wen)	J. R. Jones, Esq., for M.O.	5	1 0	1250	...	73·70	...	...
D	Llanymynech (Penrhos Vicarage)	Rev. W. Griffith	5	1 0	300	...	25·95	167	124
D	Twrch (Dol y Gaseg)	Montgomery County Council	5	1 0	810	...	60·42	140	136
M	Twrch (Cerniau)	Montgomery County Council	5	1 0	1160	...	69·00	...	...
M	Afon Twrch	Montgomery County Council	5	1 0	1390	...	70·00	...	...
d	Llanfyllin (Penllwyn)	Major J. E. M. Dugdale	5	0 7	649	40·4	28·58	...	...

Per Wye River Board. § Turf wall round gauge. ** *Per* Montgomery County Council.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	MONTGOMERYSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—SEVERN—(*contd.*)								
M	Lake Vyrnwy (Cownwy Dam)	Liverpool Corpn. W.W.	5	1 0	929	55·7	56·52	...	...
W	Llanymynech (White Rock)	J. Moon, Esq.	5	1 0	350	...	22·44	...	...
D	Lake Vyrnwy	British Waterways	5	0 10	770	54·0	52·74	197	158
	Lake Vyrnwy (Hen Gerig)	Liverpool Corpn. W.W.	5	1 0	1230	71·7	69·16	...	...
	Lake Vyrnwy (Bryn Gwyn)	Liverpool Corpn. W.W.	5	1 0	1311	56·7	55·77	...	...
D	LAKE VYRNWY (Experimental Stn.) (+A)	Liverpool Coprn. W.W.	5	1 0	995	55·5	55·01	200	158
M	Lake Vyrnwy (Fron Goch)	Liverpool Corpn. W.W.	5	1 0	835	...	54·44	...	...
	Lake Vyrnwy (Ty Uchaf)	Liverpool Corpn. W.W.	5	1 0	860	58·1	56·09	...	...
M	Lake Vyrnwy (Heol-y-ffridd) No. 1	Liverpool Corpn. W.W.	5	1 0	913	...	63·05	...	...
M	Lake Vyrnwy (Heol-y-ffridd) No. 2	Liverpool Corpn. W.W.	5	1 0	830	...	60·13	...	...
M	Lake Vyrnwy (Tyn-y-ffridd)	Liverpool Corpn. W.W.	5	1 0	1010	...	52·39	...	...
M	Lake Vyrnwy (Lluestwen) No. 2	Liverpool Corpn. W.W.	5	1 0	1620	...	70·60	...	...
M	Lake Vyrnwy (Llwynrhiw)	Liverpool Corpn. W.W.	5	1 0	1428	...	70·04	...	...
	Lake Vyrnwy (Nant Cawell)	Liverpool Corpn. W.W.	5	1 0	1610	77·4	69·30	...	...
	§Lake Vyrnwy (Hirnant)	Liverpool Corpn. W.W.	5	1 0	766	...	50·61	...	...
M	Lake Vyrnwy (Eunant Bridge)	Liverpool Corpn. W.W.	5	1 0	830	...	62·57	...	...
M	Lake Vyrnwy (Gadfa)	Liverpool Corpn. W.W.	5	1 0	1521	81·4	75·13	...	...
M	Lake Vyrnwy (Carreg Goch)	Liverpool Corpn. W.W.	5	1 0	1780	66·1	60·50	...	...
M	Lake Vyrnwy (Rhiwargor)	Liverpool Corpn. W.W.	5	1 0	860	...	62·51	...	...
M	Lake Vyrnwy (Hen Eglwys)	Liverpool Corpn. W.W.	5	1 0	1420	...	60·53	...	...
M	Lake Vyrnwy (Stone)	Liverpool Corpn. W.W.	5	1 0	1499	72·2	68·13	...	...
M	§Lake Vyrnwy (Fawnog)	Liverpool Corpn. W.W.	5	1 0	1315	55·7	52·25	...	...
	Lake Vyrnwy (Pennant Melangell)	Liverpool Corpn. W.W.	8	1 0	660	...	52·85	...	...
M	Lake Vyrnwy (Erw Berfedd)	Liverpool Corpn. W.W.	5	1 0	1800	...	69·67	...	...
d	Pen-y-bont (Rhiwlas)	Liverpool Corpn. W.W.	5	1 0	748	...	37·92	...	...
	FLINTSHIRE. (Area, 256 sq. mi.)								
	1.—DEE. 198 sq. mi.								
D	Hanmer (Gredington)	Lady Kenyon	5	1 0	300	30·4	24·10	138	109
D	HAWARDEN Airfield (+A)	Meteorological Office	5	1 0	15	...	21·23	144	101
D	Mold (Mount Pleasant)	W. K. Lewis, Esq., C.E.	5	1 0	503	...	24·56	158	119
D	Cilcain (No. 2 Reservoir)	Hawarden & Dist. W.W. Co.	5	1 0	785	...	27·65	176	128
W	Cilcain (No. 4 Reservoir)	Hawarden & Dist. W.W. Co.	5	1 0	900	...	27·15	...	...
D	Northop (Soughton Hall)	R. W. Bankes, Esq.	5	1 0	418	32·1	23·86	147	106
D	Cilcain (Cilcen Hall)	Miss W. Yates	5	0 9	700	29·7	26·81	146	123
D	Connah's Quay (Mold Road)	W. K. Lewis, Esq., C.E.	5	1 0	43	...	22·12	167	110
D	Connah's Quay (Pengwladys)	W. K. Lewis, Esq., C.E.	5	1 0	231	...	22·78	167	108
D	HAWARDEN BRIDGE	Messrs. J. Summers & Sons	8	1 0	17	24·3	20·84	146	108
d	Halkyn (Bryn Awel)	Halkyn District Mines, Ltd.	5	0 7	870	...	27·23	168	122
d	‖Mostyn	Darwen & Mostyn Iron Co.	5	1 0	15	...	25·96	...	...
	2.—CLWYD. 51 sq. mi.								
D	Bodfari (Nantlys)	A. D. H. Pennant, Esq.	5	1 5	178	27·4	22·36	143	96
d	St. Asaph (Dwilig Isaf Nursery)	Forestry Commission	5	1 0	60	...	21·83	...	...
D	Dyserth (Penlee)	L. Wilson, Esq.	5	1 0	260	...	22·40	172	106
D	RHYL (Westbourne Avenue) (+A)	Urban District Council	5	1 0	31	25·8	20·39	131	101
D	PRESTATYN	Urban District Council	5	1 0	18	...	22·12	135	102
	3.—SEVERN. Left Bank Tributaries. 7 sq. mi.								
	DENBIGHSHIRE. (Area, 668 sq. mi.)								
	1.—DEE. 278 sq. mi.								
D	Chirk Castle Gardens	Mr. E. Jones	5	1 0	600	34·4	27·10	135	110

§ Turf wall round gauge. ‖ Site unorthodox.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	DENBIGHSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—DEE—(*contd.*)								
D	Chirk (Old Vicarage)	Miss J. B. Jagger	5	1	0 350	...	26·20	148	109
D	Llangollen (Vivod)	Mrs. Best	5	1	0 640	36·5	29·67	177	125
D	Wrexham W.W. (Penycae)	Engineer	8	1	0 678	...	31·86	148	127
	Wrexham W.W. (Mountain Lodge)	Engineer	8	0	9 1100	...	27·95	...	...
D	Wrexham W.W. (Ty Mawr Res.)	Engineer	5	0	9 805	*39·1*	28·99	162	115
D	Wrexham W.W. (Pack Saddle Res.)	Engineer	5	0	9 370	32·0	25·76	156	112
D	Wrexham W.W. (Cae Llwyd Res.)	Engineer	8	0	9 918	*41·1*	29·78	174	119
	Wrexham W.W. (World's End)	Engineer	5	1	0 1573	...	32·27	...	...
	§Wrexham W.W. (Erwau)	Engineer	5	1	0 1160	...	32·30	...	...
	Wrexham W.W. (Gwter Siani)	Engineer	5	1	0 1503	...	33·87	...	...
	Wrexham W.W. (Abersychnant)	Engineer	5	1	0 1370	...	30·50	...	...
	Wrexham W.W. (Minera)	Engineer	5	0	9 1400	...	31·28	...	...
D	Wrexham (Salisbury Park)	S. E. Ashmore, Esq.	5	1	0 283	...	21·81	156	98
D	WREXHAM (Grove Park School) (+A)	S. E. Ashmore, Esq.	5	1	0 273	...	21·63	150	102
D	Pendinas Reservoir	Brymbo Water Co.	5	1	0 1249	...	31·43	184	130
D	BWLCHGWYN	S. E. Ashmore, Esq.	5	1	0 1267	...	32·66	186	137
D	Nantyffrith Reservoir	Brymbo Water Co.	5	0	6 1040	...	31·38	180	132
D	Llyncyfynwy	Brymbo Water Co.	5	0	6 1130	...	30·89	180	128
d	Llanferres (Coed Clwyd Forest)	Forestry Commission	5	0	8 900	...	30·61	...	...
D	Llanfihangel-glyn-myfyr	W. K. Lewis, Esq., C.E.	5	1	0 898	43·7	34·43	195	132
D	River Alwen (Alwen Filter House)	W. K. Lewis, Esq., C.E.	5	1	0 1100	46·4	40·04	201	143
D	River Alwen (Alwen Dam)	W. K. Lewis, Esq., C.E.	5	1	0 1189	49·1	43·74	204	152
D	River Alwen (Hafod-y-llan-isaf)	W. K. Lewis, Esq., C.E.	5	1	0 1180	...	42·19	203	149
	Pentre Voelas (Nant Heilyn)	W. K. Lewis, Esq., C.E.	5	1	0 1225	49·2	43·79	...	...
	River Brenig (Hafod-yr-onen)	W. K. Lewis, Esq., C.E.	5	1	0 1175	...	39·67	...	...
	Nantglyn (Pant-y-maen)	W. K. Lewis, Esq., C.E.	8	1	0 1320	50·3	42·11	...	...
	Llyn Brân	W. K. Lewis, Esq., C.E.	8	1	0 1428	52·1	43·41	...	...
	2.—CLWYD & C. 267 sq. mi.								
D	Clawdd-newydd No. 2	W. K. Lewis, Esq., C.E.	5	1	0 983	37·5	30·92	155	130
D	Clawdd-newydd (Foel Fach)	Forestry Commission	5	0	8 1000	...	30·50	163	135
	Ruthin (Corwen Road)	W. K. Lewis, Esq., C.E.	5	1	0 234	...	26·59	...	...
	Llyn Aled	J. Round, Esq., A.M.I.C.E.	5	1	6 1228	...	40·85	...	...
D	Ruthin (Bwlch Tunnel)	W. K. Lewis, Esq., C.E.	5	1	0 908	...	26·91	208	129
	Llyn Aled (Moel-y-Bryniau)	J. Round, Esq., A.M.I.C.E.	5	1	4 1250	...	40·31	...	...
D	Denbigh (Mental Hospital)	Clerk & Steward	5	1	0 316	...	26·99	145	121
D	Llangwyfan (Hospital)	Hospital Secretary	5	1	0 460	...	22·40	159	104
D	Denbigh (Henllan)	H. Wilson, Esq.	5	1	0 460	...	22·92	168	109
	Llannefydd (Dolwen Res., South)	J. Round, Esq., A.M.I.C.E.	5	1	0 600	...	26·90	...	...
	Llannefydd (East)	J. Round, Esq., A.M.I.C.E.	5	1	0 570	...	26·08	...	...
D	Llannefydd (Glascoed Filter Station)	J. Round, Esq., A.M.I.C.E.	5	1	0 360	...	24·85	167	113
D	COLWYN BAY (Eirias Park)	Borough Surveyor	5	1	0 118	31·1	22·22	154	99
	3.—CONWAY. 4 sq. mi.								
D	Pentre Voelas (Voelas Hall)	Col. J. C. Wynne Finch	5	1	3 640	53·2	45·23	197	156
D	Tal-y-Cafn (Bodnant)	Lord Aberconway, C.B.E.	5	1	0 170	...	30·86	165	123
	4.—SEVERN. Left Bank Tributaries. 47 sq. mi.								
D	Llansilin (Penygwely Res.)	J. E. Taylor, Esq., C.E.	5	1	0 1115	39·8	32·80	162	122
	MERIONETHSHIRE. (Area, 661 sq. mi.)								
	1.—DEE. 218 sq. mi.								
M	Cwm Hirnant (Maesafallen)	Dee & Clwyd River Board	5	1	4 957	60·8	59·05	...	....

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	MERIONETHSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—DEE—(*contd.*)								
	Wrexham W.W. (Cwm Gwyn)	Engineer	5	1 0	1600	...	46·44	...	...
M	§Afon Lliw (Blaen Lliw Isaf)	Dee & Clwyd River Board	5	1 6	1279	85·6	81·40	...	...
D	Llandrillo (Crogen)	H. Robertson, Esq.	8	1 0	530	...	35·71	138	131
M	§Trawsfynydd (Cwm Prysor)	British Electricity Authority	5	1 3	1300	78·0	(72·50)	...	...
	Derwen (Minffordd)	W. K. Lewis, Esq., C.E.	5	1 0	971	...	32·34	...	...
	2.—CLWYD. 7 sq. mi.								
	3.—GLASLYN. 92 sq. mi.								
d	Harlech (Dorwyn)	R. F. Pearce, Esq.	5	1 0	60	...	39·04	...	...
d	Harlech (Royal St. Davids Golf Club)	Secretary	5	1 2	15	...	42·97	...	125
D	Harlech (Hendre)	E. H. Price, Esq., for M.O.	5	1 0	750	...	55·66	199	163
M	Trawsfynydd (Cefn Gell-y-Cwm)	British Electricity Authority	5	1 0	665	...	61·90	...	...
M	Trawsfynydd (Darn Gae)	British Electricity Authority	5	1 0	950	71·3	64·95	...	...
d	Pandyrddrwyryd (Main Dam)	British Electricity Authority	5	1 3	650	...	61·27	...	...
W	Tyddyn-y-Gareg (Hendre Mur)	British Electricity Authority	5	1 3	660	...	61·67	...	...
d	Festiniog (Hafod Fawr)	Forestry Commission	8	1 4	1000	74·6	65·10	...	...
D	Llyn Morwynion	Ffestiniog U.D.C.	5	1 0	1320	...	84·21	211	178
D	Manod Ffestiniog	Ffestiniog U.D.C.	5	1 0	713	...	84·04	223	179
d	Blaenau Festiniog (Oakeley Quarry)	G. W. Humphreys, Esq.	5	1 0	1100	106·5	102·38	...	182
D	Blaenau Festiniog (Llechwedd Quarry)	Messrs. J. W. Greaves & Son	5	1 0	700	101·1	93·03	194	175
	4.—MAWDDACH & C. 262 sq. mi.								
d	Towyn (Ynys-y-Maengwyn)	Mr. R. Jones	5	1 0	14	...	39·76	...	...
D	BARMOUTH	Urban District Council	5	1 0	10	...	41·17	198	145
	Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley	5	1 0	200	...	59·96	...	...
d	Llanbedr (Llwyn)	A. Towers, Esq.	5	1 6	50	...	40·63	...	...
	5.—DOVEY. 82 sq. mi.								
D	Aberdovey (Plas Penhelig)	J. M. Howell, Esq., D.L.	5	1 0	150	43·3	40·25	199	138
D	Pennal (Llwyn-Celyn)	Lt.-Col. M. V. le P. Trench	5	1 0	30	...	49·76	193	162
D	Aberangell (Gwynynd)	J. Norman Jones, Esq.	5	0 10	450	...	63·84	192	161
	6.—SEVERN. Left Bank Tributaries.								
	CAERNARVONSHIRE. (Area, 572 sq. mi.)								
	1.—BARDSEY ISLAND.								
	2.—CONWAY & C. 146 sq. mi.								
	Capel Curig (Gwydyr)	Foresty Commission	5	1 0	450	...	54·22	186	153
D	Capel Curig (Glyn Curig)	W. S. Parrott, Esq., J.P.	5	2 0	710	84·8	74·69	218	168
	Lake Cowlyd (Capel Curig)	British Electricity Authority	5	1 6	1400	92·0	69·16	...	...
	Lake Llugwy	British Electricity Authority	5	1 0	1820	100·1	76·81	...	...
	Lake Cowlyd (Ffrith Garreg Wen)	Conway & Colwyn Bay W. Bd.	5	1 0	1168	...	71·39	170	...
	‖Lake Cowlyd (Ffrith Fawr)	Conway & Colwyn Bay W. Bd.	5	1 0	1700	...	72·35	170	...
	Lake Cowlyd (Cowlyd)	British Electricity Authority	5	1 0	1200	83·9	66·34	...	...
d	Lake Eigiau (Dam Site)	British Electricity Authority	5	1 5	1244	...	61·94	...	...
d	Llanrwst (Tal-y-bont)	G. Ellis, Esq.	5	1 0	60	...	45·46	...	...
W	Llanbedr-y-Cennin (Melynllyn)	J. A. Edwards, Esq., C.E.	5	1 0	2065	...	93·57	...	...
	Llanbedr-y-Cennin (Llyndulyn)	J. A. Edwards, Esq., C.E.	8	1 6	1632	102·7	81·63	...	...
W	Llanbedr-y-Cennin (Plasdulyn)	J. A. Edwards, Esq., C.E.	8	1 0	509	...	39·51	...	...
d	Conway (Mussel Tanks)	Min. of Agric. & Fisheries	5	1 0	50	...	25·73	...	...
D	LLANDUDNO (Cricket Ground)	Medical Officer of Health	5	1 0	13	28·1	23·65	162	103

‖ Gauge over-exposed. § Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	CAERNARVONSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	3.—MENAI STRAITS. 221 sq. mi.								
D	Edeyrn Tydweiliog (Cefnamwlch)	Col. W. H. Wynne Finch	5	1 0	300	...	40·78	160	134
d	Madryn Castle (Farm School)	Principal	8	1 3	278	39·0	40·48	...	...
M	Nantlle (Dorothea Quarry)	Dorothea Slate Quarry Co.	5	2 0	300	...	55·70	...	...
d	Llandwrog (Glynllifon Gardens)	Glynllifon Agric. Institute	5	1 0	110	44·7	42·01	...	...
D	Bethesda (Penrhyn Quarries)	General Manager	8	1 0	527	*65·8*	50·77	186	162
D	Port Dinorwic (Vaynol)	Sir Michael Assheton-Smith	5	0 8	100	...	39·35	166	147
D	Bangor (Town Hall)	Water Engineer & Surveyor	8	1 6	50	...	35·86	179	142
D	ABER (University College Farm)	Professor of Agriculture	5	1 0	60	...	33·80	186	137
D	Llanfairfechan (School House)	Surveyor, U.D.C.	5	1 0	120	37·9	31·73	152	127
D	Penmaenmawr (Treforris Road)	Mrs. E. H. Leonard	5	1 2	160	...	29·76	173	129
	4.—ERCH & C. 155 sq. mi.								
D	Pwllheli (West End)	B. V. Howell, Esq.	8	1 3	9	...	34·43	171	127
	5.—GLASLYN. 50 sq. mi.								
D	Portmadoc (Wern)	Lt.-Col. M. I. Williams-Ellis	5	1 0	20	...	39·68	188	144
D	Beddgelert (Primary School)	Headmaster	5	1 2	133	88·6	78·41	224	180
	Beddgelert (Hafod Ruffydd)	T. W. Thomas, Esq.	5	1 0	490	...	84·37	...	...
D	Snowdon (Cwm Dyli)	British Electricity Authority	5	1 0	310	*117·9*	119·48	220	194
D	Snowdon (Cwm Dyli, Old Rd.) (+A)	British Electricity Authority	5	0 10	325	...	112·52	221	194
	Snowdon (Llewedd)	British Electricity Authority	5	1 3	1485	...	132·50	...	...
	Snowdon (Delta)	British Electricity Authority	5	1 0	1435	...	141·50	...	...
	Snowdon (Glaslyn)	British Electricity Authority	5	0 8	2050	...	134·80	...	...
	Snowdon (Teryn)	British Electricity Authority	5	1 0	1080	...	127·00	...	...
d	Snowdon (Llydaw Intake)	British Electricity Authority	5	1 0	1480	...	125·62	...	...
	Snowdon (L. Llydaw Copper Mine)	British Electricity Authority	5	1 5	1480	...	130·46	...	...
	Snowdon (Grib Goch)	British Electricity Authority	5	1 3	2340	...	146·60	...	...
	ANGLESEY. (Area, 275 sq. mi.)								
D	Bryn-siencyn (Trefarthen)	Miss E. Meyrick	5	1 0	30	...	31·99	162	129
D	Newborough Forest	Forestry Commission	5	0 9	5	...	27·15	180	118
d	Llangefni (Glanaber)	W. Rowlands, Esq.	8	1 2	70	...	38·37	...	...
d	Llansadwrn (Treffos)	C. P. Vivian-Hampton, Esq.	5	0 9	318	...	40·28	...	133
D	Llansadwrn (Gadlys Cottage)	A. E. C. Morgan, Esq., M.A.	5	1 0	340	...	39·11	220	149
D	§HOLYHEAD (VALLEY Airfield) (+A)	Meteorological Office	8	1 0	32	...	32·83	172	129
D	Llanerchymedd (Llwydiarth Esgob)	T. S. Bown, Esq.	5	1 0	175	38·1	35·74	204	140
D	Marian Glas (Old Parciau)	Capt. M. R. Macnab	5	1 6	350	...	39·65	188	149
	Amlwch (Dyffryn Adda)	Mr. Senogles	5	1 3	178	36·3	36·13	192	141
d	Cemaes Bay (Waterworks)	Twrcelyn R.D.C.	5	1 0	300	...	32·40	...	...
	ISLE OF MAN. (Area, 227 sq. mi.)								
D	RONALDSWAY Airport (+A)	Meteorological Office	5	1 0	55	...	32·86	176	130
D	Ballagawne Reservoir	T. C. Greenfield, Esq., B.Sc.	5	1 0	365	36·5	38·39	185	143
W	Douglas (Cringle Reservoir)	T. C. Greenfield, Esq., B.Sc.	5	1 0	500	43·2	47·32	...	...
D	DOUGLAS (Borough Cemetery)	Borough Surveyor	5	1 0	284	41·2	42·17	184	140
D	Douglas (Clypse Reservoir, Onchan)	Water Engineer	8	1 0	440	43·9	41·23	226	150
D	West Baldwin Reservoir	Water Engineer	5	1 0	475	*55·7*	56·66	208	161
M	§Sulby Glen (Block Eary Dam)	T. C. Greenfield, Esq., B.Sc.	5	1 6	620	...	59·51	...	...
	Maughold Head	Com'rs. of N. Lighthouses	5	0 6	230	...	31·19	120	111
D	Sulby (Filter House)	T. C. Greenfield, Esq., B.Sc.	5	2 6	106	...	40·65	179	141
D	RAMSEY (Grammar School)	E. W. Corbett, Esq.	5	1 0	36	...	41·66	172	131
D	POINT OF AYRE	Lightkeeper, for M.O.	8	1 0	30	...	28·01	168	117

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rain fall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	CHANNEL ISLANDS. (Area, 76 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	JERSEY. 45 sq. mi.								
D	St. Saviour (Petit Ménage)	G. J. Robin, Esq.	5	0 10	30	...	19·20	147	89
D	ST. HELIER (Harbour Office)	Greffier	8	1 0	28	...	18·27	123	83
D	St. Helier (St. Louis Observatory) (+A)	Rev. Father C. Rey, S.J.*	8	1 5	180	*30·4*	19·74	146	92
D	St. Brelade (la Sergenté)	W. Benest, Esq.*	5	1 4	194	...	18·56	136	86
D	La Colline (Gorey)	R. Burrow, Esq.	5	1 0	150	...	19·81	126	90
D	St. Peter's (Jersey Airport) (+A)	States of Jersey	5	1 0	273	...	20·34	144	94
D	St. Lawrence (Beaumont Marsh)	R. Burrow, Esq.	5	1 0	60	...	23·31	129	93
D	Millbrook Reservoir	R. Burrow, Esq.	5	2 0	53	...	21·62	134	94
D	St. Ouen's Manor	Sir Guy Malet de Carteret*	5	1 0	260	...	19·53	132	89
D	Handois Reservoir	R. Burrow, Esq.	5	1 0	272	...	23·10	153	100
D	Trinity (States Experimental Farm)	States of Jersey*	5	0 10	340	...	21·13	133	94
D	St. Ouen (Vinchelez)	F. le Maistre, Esq.*	5	1 0	260	...	19·31	131	88
	GUERNSEY. 25 sq. mi.								
D	Haut Nez	W. H. Morgan, Esq.	5	1 0	340	...	22·33	164	110
D	Kings Mills	W. H. Morgan, Esq.	5	1 0	45	...	21·84	122	96
D	Les Quartiers	A. Higgs, Esq.	5	1 2	50	...	21·76	145	91
D	GUERNSEY (STATES AIRPORT)	Commandant	5	1 0	340	...	21·26	139	95
D	Vale (La Turquie Hill)	H. W. Smith, Esq.	5	1 0	40	...	18·28	131	93
D	Sark (La Clôture)	W. J. Roe, Esq.	5	2 6	300	...	21·58	140	94

Scotland

DIVISION XII—SOUTHERN COUNTIES

	WIGTOWNSHIRE. (Area, 488 sq. mi.)								
	1.—LOCH RYAN. 46 sq. mi.								
D	Castle Kennedy (Lochinch)	The Earl of Stair	5	1 0	85	...	40·14	192	145
	2.—WESTERN GALLOWAY. 44 sq. mi.								
D	‖Logan House	Mr. G. Steadwood	8	1 2	60	37·3	37·17	217	145
	Corsewall	Com'rs. of N. Lighthouses	5	1 6	48	...	(32·49)	153	124
	3.—LUCE BAY. 186 sq. mi.								
d	Port William (Monreith)	Monreith Estate Company	5	1 0	145	38·5	34·41	169	137
D	Stoneykirk(WESTFREUGHAirfield)(+A)	Meteorological Office	5	1 0	52	...	34·45	177	128
w	Glenluce (Dunragit)	Dept. of Agriculture	5	1 0	341	...	40·62	...	...
d	Glenluce (Camrie Reservoir)	Dept. of Agriculture	5	1 2	323	...	44·98	193	159
	4.—CREE & WIGTOWN BAY. 212 sq. mi.								
D	Garlieston (Galloway House)	P. H. Fletcher, Esq.	5	0 11	30	39·1	37·76	192	148
D	Garlieston (Culderry)	Capt. A. Walmsley	5	1 0	25	...	35·67	195	150
w	Kirkcowan (Craighlaw)	Mrs. S. R. Fleming-Hamilton	5	1 0	300	...	40·74	...	...
D	Newton Stewart (Little Barraer)	H. P. Hawthorn, Esq.	5	1 0	180	44·8	40·79	196	154
D	Newton Stewart (Duncree)	Maj.-Gen. Sir Keith Stewart	5	1 0	125	...	41·54	195	156

* *Per* R. Burrow, Esq.

‖ Gauge over-sheltered.

DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	KIRKCUDBRIGHTSHIRE. (Area, 902 sq. in.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—DOON. 16 sq. mi.								
	2.—CREE & WIGTOWN BAY. 222 sq. mi.								
D	Borgue (Roberton)	J. Douglas Brown, Esq., O.B.E.	5	1 0	50	...	36·69	194	149
d	Kirroughtree Forest	Forestry Commission	5	1 3	50	...	50·18	...	...
	3.—DEE. 377 sq. mi.								
D	TONGLAND (Power Station)	British Electricity Authority	5	1 0	69	...	45·20	184	164
D	Threave	Major A. F. Gordon	5	1 0	275	...	41·72	192	158
d	Mossdale (Hensol)	The Marchioness of Ailsa	8	1 0	200	51·7	47·72	...	162
D	Laggan of Dee	British Electricity Authority	5	1 0	550	...	64·99	200	179
D	Clatteringshaws (Tunnel Intake)	British Electricity Authority	5	1 0	600	70·5	59·71	211	175
D	New Galloway (Wellwood)	W. McClure, Esq.	5	1 0	232	...	47·78	214	157
D	Craigencallie	British Electricity Authority	5	1 0	740	80·1	79·32	212	181
	Loch Dee	British Electricity Authority	5	1 0	800	81·5	84·83	...	...
D	‖Dalry (GLENLEE) (+A)	British Electricity Authority	5	1 0	181	...	52·47	209	168
D	Dalry (Garroch)	Arthur Young, Esq.	8	1 0	250	59·7	53·79	207	175
D	Dalry (Creaganfois)	R. C. Hayward, Esq.	5	1 0	410	...	43·81	195	162
D	Dalry (Forrest Lodge)	R. M. Watson, Esq.	5	1 0	500	63·2	64·40	218	179
	Dalry (Kendoon)	British Electricity Authority	5	0 6	520	...	48·25	...	...
D	Carsphairn (Fingland)	British Electricity Authority	5	1 0	940	51·1	46·19	235	161
D	Carsphairn (The Knowe)	J. A. Hunter, Esq.	8	2 0	550	...	49·18	177	154
D	Carsphairn (Cornharrow)	British Electricity Authority	5	1 0	810	53·6	50·12	206	170
D	Carsphairn (Knockengarroch)	British Electricity Authority	5	1 0	740	58·2	50·51	206	167
	Carsphairn (Drumjohn)	British Electricity Authority	5	1 0	746	...	51·46	...	...
D	Carsphairn Moor	British Electricity Authority	5	1 0	790	65·6	58·92	234	181
	4.—URR & C. 196 sq. mi.								
D	Auchencairn (Daffin Cottage)	Mr. J. H. Milligan	5	1 3	50	...	43·95	195	162
	Auchencairn (Torr House)	Thomas Ovens, Esq.	5	1 0	50	47·1	43·87	...	...
D	Castle Douglas (Corbieton)	Miss A. G. Biggar	5	0 9	175	...	38·43	190	154
D	Chipperkyle	Miss Isobel Pollok-Morris	5	1 6	310	...	41·71	187	162
	5.—NITH & C. 91 sq. mi.								
D	Lochrutton (Dumfries Waterworks)	J. R. Whyte, Esq., C.E.	5	1 0	273	44·0	40·91	205	165
D	Glenkiln Reservoir	J. R. Whyte, Esq., C.E.	5	1 0	450	...	46·35	182	159
	DUMFRIESSHIRE. (Area, 1,074 sq. mi.)								
	1.—CLYDE. Right Bank Tributaries. 5 sq. mi.								
M	§Daer (Whiteholm)	Water Engineer, Lanarkshire	5	1 0	1360	...	70·08	...	...
	2.—URR. 6 sq. mi.								
	3.—NITH & C. 421 sq. mi.								
D	RUTHWELL (Comlongon Castle)	The Earl of Mansfield	5	1 0	95	35·5	33·27	201	145
D	§DUMFRIES (Crichton Royal Institute)	Physician Superintendent	5	1 0	140	39·1	36·39	190	149
D	Blackwood	T. H. Kennedy, Esq.	5	1 6	100	41·1	38·62	191	155
D	Maxwelton House	Maj. Gen. Sir J. E. Laurie, Bt.	5	1 0	350	...	37·27	187	140
D	Kettleton	County Engineer	5	1 0	640	...	39·34	209	152
M	§Corsehill	County Engineer	5	1 0	1850	...	78·16	...	...

‖ Gauge over-sheltered. § Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	DUMFRIESSHIRE—(*contd.*)			*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	3.—NITH & C. 421 sq. mi.—(*contd.*)									
M	§Whiteside Hill		County Engineer	5	1	0 1680	...	73·66	...	...
M	Euchanhead		County Engineer	5	1	0 1370	77·6	68·10	...	...
D	Euchanbank		County Engineer	5	1	0 1080	...	62·24	242	178
M	Poltallan Burn		County Engineer	5	1	0 1550	...	65·58	...	...
D	Durrisdeer (Drumlanrig)		Master of Works	5	0	9 191	43·6	41·61	201	151
D	Kirkconnel (Fauldhead)		National Coal Board	8	1	0 530	...	40·63	207	172
	4.—ANNAN. 367 sq. mi.									
D	Dalton (Kirkwood)		Captain J. Steel	5	1	8 260	...	40·94	200	152
D	Parkgate (Glenview)		Forestry Commission	5	1	0 538	...	47·95	205	159
M	Forest of Ae (Cran Loch)		Forestry Commission	5	1	2 1100	...	51·77	...	...
D	Moffat (St. Margarets)		Sir W. R. Younger, Bart.	5	1	0 463	...	48·80	176	151
	5.—ESK. 275 sq. mi.									
D	Eaglesfield (Springkell Gardens)		Late Col. Sir E. A. Johnson-Ferguson, Bart.	5	1	0 303	41·3	43·05	187	157
D	Half Morton (Solway Bank)		Major B. Johnson-Ferguson	5	0	8 466	...	51·07	215	171
D	Canonbie (Irvine House)		Capt. J. G. Milne-Home	5	0	9 200	46·5	46·09	182	162
D	Winterhope		County Engineer	5	1	0 570	...	52·69	224	181
D	Langholm (Craigcleuch)		J. B. Robertson, Esq.	5	1	0 490	...	55·70	225	176
D	Eskdalemuir (Sandyford)		County Engineer	5	1	0 728	...	49·01	217	176
M	§Eskdalemuir (Cairn Knowe)		County Engineer	5	1	0 1107	...	59·20	...	...
M	Eskdalemuir (Blackeskhead)		County Engineer	5	1	0 797	...	53·70	...	...
M	§Eskdalemuir (Peat Rig)		County Engineer	5	1	0 1251	...	62·90	...	...
M	Eskdalemuir (Garwaldshiels)		County Engineer	5	1	0 941	...	56·17	...	...
M	§Eskdalemuir (Monkingshaw Knowe)		County Engineer	5	1	0 1054	...	60·90	...	...
D	Eskdalemuir (Johnstone House)		Lady Lethem	5	1	0 650	...	51·00	211	173
M	§Eskdalemuir (Jock's Shoulder)		County Engineer	5	1	0 1757	...	65·48	...	...
D	Eskdalemuir (Kiddamhill)		County Engineer	5	1	0 905	...	56·67	225	189
D	ESKDALEMUIR Observatory	(+A)	Meteorological Office	5	1	4 794	56·3	55·13	218	167
M	Eskdalemuir (Cauld Law Grain)		County Engineer	5	1	0 1302	...	64·06	...	...
M	Eskdalemuir (Loch Fell)		County Engineer	5	1	0 2228	...	76·56	...	...
M	Eskdalemuir (Pengrain)		County Engineer	5	1	0 1118	...	61·17	...	...
	ROXBURGHSHIRE. (Area, 666 sq. mi.)									
	1.—NORTH TYNE. 6 sq. mi.									
	2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.									
D	Yetholm (Old Graden)		P. S. Short, Esq.	5	1	0 500	...	27·18	189	125
D	Cheviot Hills (SOURHOPE)	(+A)	Edin. & E. Scot. Coll. of Ag.	5	1	0 900	...	35·89	176	134
	3.—TWEED. Teviot & c. 431 sq. mi.									
D	Denholm (Spital Tower)		J. G. Leadbetter, Esq.	5	0	6 425	32·7	26·32	215	134
d	Jedburgh (Jedneuk)		Capt. J. S. Aikman, M.C.	5	1	0 270	26·3	23·02	206	118
D	Crailing		Mr. J. Y. Burns	5	1	0 190	27·6	21·99	184	120
d	Ancrum (Monteviot)		Capt. J. S. Aikman, M.C.	5	1	0 210	29·8	23·42	...	...
	4.—TWEED. Ettrick & c. 10 sq. mi.									
D	Melrose (Dingleton Hospital)		Superintendent	5	1	0 480	...	20·42	166	113
D	Melrose (The Anchorage)		Major J. A. Paton	5	1	3 300	...	21·80	148	114
	5.—TWEED. Gala. 6 sq. mi.									

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ROXBURGHSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—TWEED. Leader & c. 25 sq. mi.								
	7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.								
D	KELSO (FLOORS)	The Duke of Roxburghe	5	1 0	195	26·0	22·65	176	128
D	LAUDER (THE ROAN)	H. H. Cowan, Esq.	5	1 0	550	...	24·88	159	123
	8.—ESK. 106 sq. mi.								
	Newcastleton Forest	Forestry Commission	5	1 0	800	48·5	48·83	...	...

DIVISION XIII—SOUTH-EASTERN COUNTIES

	SELKIRKSHIRE. (Area, 268 sq. mi.)								
	1.—TWEED. Teviot & c. 34 sq. mi.								
	2.—TWEED. Ettrick & c. 192 sq. mi.								
M	§Edinburgh W.W. (Megget Head)	Edinburgh Water Engineer	8	1 6	1496	...	61·44	...	...
D	Walkerburn (Elibank)	Sir John Milne Home	5	1 0	440	...	25·81	179	131
	3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.								
	4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.								
D	Caddonfoot (Fairnilee)	Mr. A. Bruce	5	1 0	450	32·5	26·11	186	122
D	Galashiels (The Peel, Clovenfords)	Mr. Robert Orr	5	1 0	450	35·5	35·11	203	143
M	§Galashiels (Knowsdean Reservoir)	Water Superintendent	5	1 0	892	...	26·95	...	...
M	§Galashiels (Craig Head)	Water Superintendent	5	1 0	900	...	28·58	...	...
M	§Galashiels (Caddonhead)	Water Superintendent	5	1 6	1050	...	29·26	...	...
	5.—TWEED. Gala. 6 sq. mi.								
	PEEBLESSHIRE. (Area, 348 sq. mi.)								
	1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.								
M	§Edinburgh W.W. (Ballaman Hill)	Edinburgh Water Engineer	5	1 6	1700	58·7	58·44	...	...
M	Edinburgh W.W. (Gameshope Loch)	Edinburgh Water Engineer	5	1 0	1900	...	74·23	...	...
M	Edinburgh W.W. (Garelot Dod)	Edinburgh Water Engineer	5	1 6	2200	...	70·68	...	...
M	Edinburgh W.W. (Gameshope Farm)	Edinburgh Water Engineer	8	1 6	1538	71·3	68·97	...	...
M	Edinburgh W.W. (Fruid Farm)	Edinburgh Water Engineer	5	1 6	1020	49·2	48·45	...	...
M	§Edinburgh W.W. (Shiel Hope)	Edinburgh Water Engineer	5	1 6	1300	51·3	50·00	...	...
M	Edinburgh W.W. (Hawkshaw)	Edinburgh Water Engineer	5	1 6	1100	48·7	46·80	...	...
M	Edinburgh W.W. (Talla Linns Foot)	Edinburgh Water Engineer	8	1 6	966	55·2	52·78	...	...
M	Edinburgh W.W. (Upper Menzion)	Edinburgh Water Engineer	5	1 6	1020	...	43·90	...	...
M	Edinburgh W.W. (Nether Garelot)	Edinburgh Water Engineer	5	1 0	1700	56·0	55·92	...	...
M	§Edinburgh W.W. (The Rig)	Edinburgh Water Engineer	5	1 6	1150	46·2	43·82	...	...
M	§Edinburgh W.W. (Quarter Hill)	Edinburgh Water Engineer	8	1 0	1196	46·4	44·57	...	...
D	Edinburgh W.W. (Victoria Lodge)	Edinburgh Water Engineer	5	1 3	900	50·0	43·74	215	170
	2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.								
D	Stobo Castle	Mr. Andrew Dunlop	5	1 0	594	34·9	33·42	210	145
D	PEEBLES (High School)	Rector	5	1 0	600	...	24·40	173	120

§ Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	PEEBLESSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—TWEED. UPPER—(*contd.*)								
D	West Linton (Woodlea Cottage)	Edinburgh Water Engineer	5	0 11	801	35·7	29·77	214	149
D	WEST LINTON (Grangeneuk)	A. E. Colterjohn, Esq.	5	1 0	850	...	31·80	202	158
D	West Linton (Baddingsgill Reservoir)	T. Aitken, Esq.	8	1 0	1100	44·6	38·41	233	176
	3.—ESK. 23 sq. mi.								
D	Eddlestone (Portmore Reservoir)	Edinburgh Water Engineer	5	0 6	1000	*35·2*	29·17	201	132
D	Carlops (North Esk Reservoir)	J. Gilmour, Esq.	5	1 0	1150	*39·5*	36·51	219	161
	4.—CLYDE. Right Bank Tributaries. 6 sq. mi.								
	BERWICKSHIRE. (Area, 457 sq. mi.)								
	1.—TWEED. Gala. 6 sq. mi.								
	2.—TWEED. Leader. 92 sq. mi.								
D	Earlston (Cowdenknowes)	Mr. James Mackie	5	1 3	300	28·8	22·01	154	114
D	Earlston (Carolside)	Sir John Gilmour, Bart.	5	1 0	350	...	22·57	171	119
	3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.								
D	Coldstream (Lochton)	Mrs. Aitchison	5	1 0	150	25·9	22·19	166	119
D	Swinton House	(+A) Rev. A. E. Swinton, M.A.	5	1 0	200	26·4	22·08	190	117
d	Paxton (Tweedhill)	C. H. Brackenbury, Esq.	5	1 0	50	...	20·20	...	...
	4.—TWEED. Whiteadder. 164 sq. mi.								
D	MARCHMONT House	Sir John McEwen, Bart.	5	1 0	498	32·2	24·81	180	129
D	Duns Castle	Col. G. H. Hay	5	1 0	500	30·8	25·22	183	122
D	Duns (Manderston)	Mr. H. E. Wilson	5	2 6	353	30·7	24·01	179	115
D	Longformacus (Whitchester)	Mrs. Landale	5	1 0	838	...	28·82	169	128
	5.—EAST COAST STREAMS. 80 sq. mi.								
d	Cockburnspath (Redheugh)	T. S. Dykes, Esq.	5	1 0	288	...	19·50	144	104
	EAST LOTHIAN. (Area, 267 sq. mi.)								
	1.—TWEED. Leader. 1 sq. mi.								
	2.—TWEED. Whiteadder. 35 sq. mi.								
d	Lammermuir Hills (Kingside)	Adam Robson, Esq.	5	1 0	779	...	29·45	...	...
	3.—EAST COAST STREAMS. 69 sq. mi.								
	Garvald (Donnolly Reservoir)	Adam Robson, Esq.	5	1 0	532	32·8	27·06	...	...
	Garvald (Thorter Reservoir)	Adam Robson, Esq.	5	1 0	725	...	27·70	...	...
d	DUNBAR (Public Park)	Burgh Surveyor	5	1 0	75	...	(18·14)	(161)	(103)
	4.—TYNE & C. 114 sq. mi.								
	Lammermuir Hills (Stobshiel Res.)	Adam Robson, Esq.	5	1 0	927	...	28·19	...	...
W	Lammermuir Hills (Lammerloch Res.)	Adam Robson, Esq.	5	1 0	900	...	27·82	...	...
D	Haddington (Neilson Park)	Burgh Surveyor	5	1 0	161	...	21·56	162	103
	5.—FIRTH OF FORTH. 48 sq. mi.								
d	East Fortune Hospital	Clerk of Works	5	1 4	101	23·5	20·47	153	107
D	Aberlady (Ards Place)	Mrs. Hemingway	5	1 0	40	...	22·00	164	110
d	‖North Berwick (Netherheugh)	Hector Macpherson, Esq.	5	0 9	120	...	20·07	...	...
D	North Berwick Reservoir	A. Robertson, Esq., C.E.	5	1 0	150	25·4	21·25	153	108
D	NORTH BERWICK (Gasworks)	Town Council	5	1 0	118	25·1	22·15	183	114
	6.—INSULAR.								

‖ Gauge over-sheltered.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	MIDLOTHIAN. (Area, 369 sq. mi.)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	1.—TWEED. Gala. 68 sq. mi.								
D	Stow (Cragdale)	A. H. Fairgrieve, Esq.	5	0	6 642	33·0	28·75	137	122
	2.—TYNE. 28 sq. mi.								
	3.—FIRTH OF FORTH. 3 sq. mi.								
	4.—ESK. 116 sq. mi.								
M	Moorfoot Hills (Bowbate)	Edinburgh Water Engineer	5	1	0 1260	...	33·93	...	...
D	Moorfoot Hills (Rosebery)	Edinburgh Water Engineer	5	0	6 750	32·1	27·56	183	126
D	PENICUIK	Dr. J. T. Baldwin	5	1	0 620	...	28·41	190	142
d	Gorebridge	Hugh Arnott, Esq.	5	1	0 560	29·3	25·47	167	104
M	Pentland Hills (Harehill)	Edinburgh Water Engineer	5	1	2 1297	...	33·42	...	...
D	Pentland Hills (Martyr's Cross)	Edinburgh Water Engineer	5	1	0 750	35·5	27·74	211	137
D	Pentland Hills (Loganlea)	Edinburgh Water Engineer	5	1	0 811	38·5	31·08	190	131
D	Pentland Hills (Glencorse Filters)	Edinburgh Water Engineer	5	0	11 638	35·0	27·27	179	129
D	Pentland Hills (Glen Cottage)	Edinburgh Water Engineer	5	1	3 739	35·2	30·41	186	134
D	Newbattle (Public School)	C. D. Walinck, Esq., M.A.	5	1	0 300	25·7	23·30	143	97
	5.—ALMOND & C. 153 sq. mi.								
D	Pentland Hills (Crosswood)	Edinburgh Water Engineer	5	0	10 950	39·5	35·45	218	158
D	Pateshill Reservoir	T. Aitken, Esq.	5	1	3 900	...	31·56	197	143
D	Pentland Hills (Harperrig) (+A)	Edinburgh Water Engineer	5	1	0 900	38·8	31·31	197	135
D	Pentland Hills (Morton)	Messrs. J. & A. Leslie & Reid	5	1	0 749	37·4	31·45	215	150
d	West Calder (Addiewell)	Scottish Oils, Ltd.	12	21	0 620	35·7	32·04	195	147
D	BOGHALL (+A)	Edin. & E. Scot. Coll. of Ag.	8	1	0 639	33·1	27·87	192	128
D	*BALERNO (Cockburn Farm)	Dr. A. D. Buchanan-Smith	5	1	0 750	...	28·22	173	132
D	Pentland Hills (Harlaw Reservoir)	Edinburgh Water Engineer	5	1	0 800	...	23·69	172	118
D	Pentland Hills (Clubbiedean Reservoir)	Edinburgh Water Engineer	5	1	0 773	30·4	25·90	171	118
D	MIDCALDER (Howden) (+A)	Soc. for Res. in Agric. Eng.	5	1	0 400	...	26·77	196	122
M	Pentland Hills (Swanston)	Edinburgh Water Engineer	5	1	0 645	...	23·10	...	...
D	Fairmilehead (Frogston Road)	J. Aitchison, Esq.	5	1	0 600	...	25·66	178	126
D	Fairmilehead (Waterworks)	Edinburgh Water Engineer	5	1	0 590	30·8	25·08	164	116
D	Liberton (Alnwick Hill) (+A)	Edinburgh Water Engineer	5	1	0 407	28·5	24·38	174	118
M	Liberton (Hawkhead Grove)	G. M. Stuart, Esq., M.B.E.	5	1	0 400	...	24·89	...	...
D	Colinton (Firhill Tank)	Edinburgh Water Engineer	5	0	10 412	29·0	25·80	190	120
D	LIBERTON (College Farm)	Edin. & E. Scot. Coll. of Ag.	5	1	0 190	27·7	22·85	164	111
D	Liberton (The Inch)	Superintendent of Parks	5	1	0 150	...	24·43	185	122
D	Edinburgh (Old Dalkeith Road)	J. T. Jeffrey, Esq.	5	1	0 300	...	23·11	174	117
D	Edinburgh (Craiglockhart)	I. C. Hedge, Esq.	5	1	0 295	...	25·09	185	109
D	EDINBURGH (BLACKFORD HILL)	Astronomer Royal for Scot.	8	1	0 441	26·3	23·64	182	107
D	Edinburgh (Fountainhall Road)	R. C. Macfarlane, Esq.	5	1	1 225	...	23·80	176	110
D	Edinburgh (Portobello)	Master A. Hagopian	5	1	0 100	...	21·47	156	103
d	Edinburgh (Academy)	Head Science Master	5	1	0 70	25·9	20·77	...	...
D	TURNHOUSE (Edinburgh Airport) (+A)	Meteorological Office	5	1	0 114	...	23·04	155	103
d	Edinburgh (Astley Ainslie Institute)	Medical Superintendent	5	1	0 270	27·7	24·29	...	124
D	EDINBURGH (ROYAL BOTANIC GDN.)	Prof. Sir W. Wright-Smith	5	1	0 74	26·5	22·43	146	108
D	DAVIDSON'S MAINS (Easter Park)	J. W. Younger, Esq.	5	1	0 200	...	23·63	185	116
	6.—CLYDE. Right Bank Tributaries. 1 sq. mi.								
	WEST LOTHIAN. (Area, 120 sq. mi.)								
	1.—ALMOND & C. 60 sq. mi.								
M	Uphall No. 7	W. Lothian Hospital Board	8	1	4 646	...	31·85	...	...
M	Uphall No. 8	W. Lothian Hospital Board	8	1	4 577	32·7	28·90	...	...
d	Uphall (Middleton Hall)	Scottish Oils, Ltd.	8	1	0 350	31·4	27·14	...	...
d	Dalmeny House	The Earl of Rosebery	5	0	6 20	25·9	24·27	153	112
d	Uphall (Broxburn)	Scottish Oils, Ltd.	8	1	0 262	...	25·82	...	...

* Formerly at Shothead.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	WEST LOTHIAN—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—FORTH. Right Bank Tributaries. 59 sq. mi.								
D	Blackridge (Bedlormie)	D. Tennant, Esq.	5	1 0	650	...	38·17	223	161
D	‖Armadale (Stonerigg Filters)	County Water Engineer	5	1 0	620	...	30·35	196	135
D	Armadale (Sewage Works)	Burgh Engineer	5	1 0	417	...	35·42	209	151
D	Bathgate (Northbank Filters)	J. Spalding, Esq.	5	0 9	640	33·2	31·56	199	147
D	Torphichen (Lochcote)	Wm. Beattie, Esq.	5	0 9	550	33·5	32·91	211	147
D	Uphall (Beecraigs)	Messrs. J. & A. Leslie & Reid	5	1 0	477	...	35·30	214	153
M	Carribber Reservoir	Wm. Beattie, Esq.	5	0 9	350	33·1	31·35	...	...
D	Linlithgow (Preston House)	Head Gardener	5	1 0	380	32·6	32·08	204	137
D	Linlithgow (Grange)	Col. H. M. Cadell	5	1 0	440	30·2	28·04	201	131
	3.—CLYDE. Right Bank Tributaries. 1 sq. mi.								

DIVISION XIV—SOUTH-WESTERN COUNTIES

LANARKSHIRE. (Area, 881 sq. mi.)

1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.

2.—ALMOND. 14 sq. mi.

	3.—FORTH. Right Bank Tributaries. 9 sq. mi.								
D	Airdrie (Forrestburn Reservoir)	T. Aitken, Esq.	5	1 0	735	37·1	40·42	219	161
	4.—CLYDE. Right Bank Tributaries. 378 sq. mi.								
M	§Daer (Lamb Sike)	County Water Engineer	5	1 0	1310	...	71·95	...	...
M	§Daer (Whiteburn)	County Water Engineer	5	1 0	1250	...	65·40	...	...
D	§Daer (Crookburn)	County Water Engineer	5	1 0	1124	...	69·10	242	193
M	§Daer (Sweetshawhead)	County Water Engineer	5	1 0	1150	...	59·58	...	...
D	§Daer (Sweetshaw Burn)	County Water Engineer	5	1 0	1152	...	60·88	228	186
D	§Daer (Garls Craig)	County Water Engineer	5	1 0	985	...	61·83	227	185
M	§Crawford (Camps Res.) Risingclaw	County Water Engineer	5	1 0	1610	56·0	55·65	...	...
M	§Crawford (Camps Res.) Peat Rig	County Water Engineer	5	1 0	1485	53·4	55·50	...	...
M	§Crawford (Camps Res.) Whitecamp	County Water Engineer	5	1 0	1155	50·2	46·90	...	...
D	Crawford (Camps Reservoir) (+A)	County Water Engineer	5	0 10	969	44·0	39·86	217	159
M	Crawford (Camps Res.) Kneesend	County Water Engineer	5	1 0	1205	47·0	45·95	...	...
M	Crawford (Camps Res.) Hillshaw	County Water Engineer	5	1 0	1805	54·7	50·20	...	...
M	§Crawford (Camps Res.) Linnburn	County Water Engineer	5	1 0	1210	48·8	47·30	...	...
W	Coulter Reservoir	J. Bissett Scott, Esq., C.E.	5	1 0	1157	...	39·74	...	...
M	Lamington (Cowgill Reservoir)	D. T. Brown, Esq.	5	1 0	1012	42·4	36·60	...	...
D	Biggar (Huntfield)	Miss Dunlop	5	1 0	900	31·5	29·22	196	140
D	CARNWATH	S.F.MacdonaldLockhart,Esq.	5	1 1	706	...	29·71	204	134
D	Carluke (Coldstream Reservoir)	J. Bissett Scott, Esq., C.E.	5	1 0	800	...	29·66	202	148
M	Carluke	J. Barr, Esq.	5	0 7	630	...	30·45	...	...
W	Carluke (Springfield Reservoir)	J. Bissett Scott, Esq., C.E.	5	1 0	860	39·5	30·89	...	...
D	Carluke (Gair Reservoir)	J. Bissett Scott, Esq., C.E.	5	1 0	665	34·9	28·86	192	143
	Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1 3	510	...	28·34	...	...
D	Motherwell (Elvan Street)	Mr. M. Dunn	5	0 10	175	...	28·92	197	135
D	Shotts Reservoir	County Water Engineer	5	1 0	812	...	35·35	208	154
D	Glasgow (Tollcross Park)	G. H. Garside, Esq.	5	1 0	84	37·4	30·90	185	154
D	Glasgow Green	G. H. Garside, Esq.	5	1 0	35	36·0	32·38	194	154
D	Glasgow (Alexandra Park)	G. H. Garside, Esq.	5	1 0	141	36·0	31·87	200	151
D	Glasgow (Kelvingrove Park)	G. H. Garside, Esq.	5	1 0	48	36·1	32·74	188	152
D	Glasgow (Victoria Park)	G. H. Garside, Esq.	5	1 0	30	36·1	33·78	200	159
D	Glasgow (Ruchill Park)	G. H. Garside, Esq.	5	1 0	228	36·0	34·50	190	158

‖ Gauge over-exposed. § Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	LANARKSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	4.—CLYDE—(*contd.*)								
D	GLASGOW (SPRINGBURN PARK)	G. H. Garside, Esq.	5	0 6	351	36·9	36·51	206	165
M	Clarkston (Roughrigg Reservoir)	D. T. Brown, Esq., C.E.	5	1 0	664	35·8	33·42	...	...
D	Coatbridge (West End Park)	S. Lauder, Esq.	5	1 0	240	...	29·42	240	141
D	COATBRIDGE	Sewage Works Manager	5	1 0	256	...	26·89	167	138
D	Coatbridge (Whifflet Public Park)	S. Lauder, Esq.	5	1 0	295	...	28·59	204	142
D	Coatbridge (Dunbeth Public Park)	S. Lauder, Esq.	5	1 0	325	...	29·10	216	143
D	Airdrie (Broomknoll Street)	D. T. Brown, Esq., C.E.	5	1 0	402	35·0	32·05	195	145
D	Gartcosh (Gartloch Hospital)	Mr. Donald McMillan	5	1 0	291	37·8	33·38	203	159
	5.—CLYDE. Left Bank Tributaries. 448 sq. mi.								
M	Daer (Thick Cleuch)	County Water Engineer	5	1 0	1485	...	72·23	...	...
D	§Daer (Daerhead)	County Water Engineer	5	1 0	1304	...	74·12	226	194
M	§Daer (Upper Carsehope)	County Water Engineer	5	1 0	1600	...	72·25	...	...
M	§Daer (Lower Carsehope)	County Water Engineer	5	1 0	1180	...	71·05	...	...
D	§Daer (Kirkhope)	County Water Engineer	5	1 0	1103	...	70·36	239	192
M	§Daer (Kirkhope Cleuch)	County Water Engineer	5	1 0	1350	...	72·75	...	...
M	§Daer (Hitteril)	County Water Engineer	5	1 0	950	...	60·15	...	...
M	Elvanfoot (Potrenick Burn)	J. Bissett Scott, Esq., C.E.	5	1 0	1004	61·5	59·87	...	...
D	Elvanfoot (Peden Reservoir)	J. Bissett Scott, Esq., C.E.	5	1 0	964	65·1	62·45	219	181
D	LEADHILLS (Muirhouse)	D. Grant, Esq.	5	1 0	1270	...	60·59	221	185
D	Douglas (Monksfoot)	Miss J. Steele	5	1 0	780	...	42·55	213	177
D	Strathaven (GLENGAVEL Reservoir)	County Water Engineer	5	1 0	839	47·9	50·68	225	190
D	Strathaven (Dunside Reservoir)	County Water Engineer	5	1 0	1002	46·3	45·08	206	176
D	Strathaven (Kype Reservoir)	Water Engineer, Hamilton	5	1 0	941	46·6	44·80	208	175
D	Stonehouse (Glassford Filters)	County Water Engineer	5	0 9	775	39·8	44·38	204	165
D	Hamilton W.W. (Townhill)	Water Engineer, Hamilton	5	1 0	430	35·6	30·95	196	141
D	Hamilton (Woodlea)	Robert Frame, Esq.	5	1 4	192	...	29·35	192	135
D	Hamilton (Cameron Crescent)	W. Frame, Esq.	5	1 0	225	...	30·23	181	134
D	THORNTONHALL (+A)	Building Research Lab.	5	1 0	453	...	39·20	202	162
W	Carmunnock (Waterworks)	G. Sime, Esq.	5	1 6	540	...	32·65	...	...
D	Cambuslang (Greenlees Filters)	County Water Engineer	5	1 0	322	36·3	30·38	191	143
D	Glasgow (Rutherglen)	F. C. Thomson, Esq.	5	1 0	100	...	33·46	217	152
D	Glasgow (Queen's Park)	G. H. Garside, Esq.	5	0 9	147	36·1	32·74	207	162
D	Glasgow (Maxwell Park)	G. H. Garside, Esq.	5	1 0	69	35·7	31·93	202	157
D	Glasgow (Bellahouston Park)	G. H. Garside, Esq.	5	1 0	80	34·6	33·96	182	158
D	Glasgow (Elder Park)	G. H. Garside, Esq.	5	1 0	25	37·0	35·54	186	152
	6.—IRVINE. 2 sq. mi.								
	7.—AYR. 1 sq. mi.								
	8.—NITH. 2 sq. mi.								
	9.—ANNAN. 7 sq. mi.								
	AYRSHIRE. (Area, 1,135 sq. mi.)								
	1.—CLYDE. Left Bank Tributaries. 7 sq. mi.								
	2.—FIRTH OF CLYDE. 60 sq. mi.								
D	§Ardrossan (Mill Glen Filters)	H. R. Seaton, Esq.	5	1 0	167	...	36·56	196	157
D	Stevenston (Greenhead Filters)	W. G. Guild, Esq.	5	1 0	186	41·6	35·77	209	156
W	Ardrossan (Busbie Reservoir)	H. R. Seaton, Esq.	5	1 0	370	...	40·34	...	...
M	West Kilbride (Crosbie Reservoir)	T. W. Leslie, Esq.	5	1 0	400	...	39·40	...	...
D	West Kilbride (Hunterston)	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	5	1 0	40	42·4	40·64	189	159

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	AYRSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—FIRTH OF CLYDE—(*contd.*)								
	Fairlie (Waterworks)	T. W. Leslie, Esq.	5	1 0	270	...	44·43	...	...
D	Largs (Stevenston Institute)	G. Arkieson, Esq.	5	1 0	20	...	43·55	200	165
D	LARGS (WOODBANK)	A. Simpson, Esq.	5	1 0	25	...	43·96	206	169
D	Largs (South Routenburn)	A. K. Gordon, Esq.	5	1 0	150	...	41·38	207	162
D	Largs (Middleton Filters)	G. Arkieson, Esq.	5	1 0	230	52·0	47·90	210	183
	Greenock W.W. (Knockencorsan)	Corporation	5	1 0	1040	...	62·30	...	...
	Greenock W.W. (Largs Road)	Corporation	5	1 0	910	*57·0*	62·90	...	...
	3.—IRVINE & C. 296 sq. mi.								
D	PRESTWICK	Burgh Surveyor	5	1 0	17	31·0	28·32	189	130
D	PRESTWICK Airport (+A)	Meteorological Office	5	1 0	30	33·6	29·01	188	133
D	Prestwick (Ladykirk Filters)	Burgh Surveyor	5	1 0	185	...	31·29	190	134
D	Symington	J. Glass, Esq.	5	0 11	300	...	34·45	208	150
D	Hurlford (Carnell)	Mrs. J. B. Findlay	5	1 0	300	...	39·10	191	164
D	Troon (Collenan Reservoir)	Burgh Surveyor	5	1 0	203	...	27·94	188	141
D	Irvine (Gailes)	A. Forrest, Esq.	5	1 0	12	35·9	30·46	185	140
D	Newmilns (Lanfine)	W. Logan, Esq.	5	1 6	500	43·4	47·10	204	173
D	Templetonburn	F. C. Howie, Esq.	5	1 0	140	...	38·83	203	165
D	Darvel (Kirkland Park)	Burgh Surveyor	5	1 0	347	...	41·42	208	161
D	KILMARNOCK (Springhill House)	W. N. McCall, Esq.	5	0 11	115	...	35·03	189	152
D	Irvine (Cunninghame Home)	Governor	5	1 0	24	...	32·95	168	143
D	Kilmarnock (North Craig Reservoir)	W. N. McCall, Esq.	5	1 0	319	41·2	43·72	207	164
D	Montgreenan Gardens	Capt. C. B. G. Coltart	5	0 9	180	...	44·51	179	164
	Fenwick (Whiteleehill)	W. N. McCall, Esq.	5	1 0	915	48·6	45·45	...	...
M	Croilburn	W. N. McCall, Esq.	5	1 0	725	...	44·00	...	...
D	Fenwick (Amlaird Filters)	W. N. McCall, Esq.	5	1 0	590	43·3	47·56	235	175
	Craigendunton Reservoir	W. N. McCall, Esq.	5	1 0	805	48·9	53·89	...	...
	Loch Goin Reservoir	W. N. McCall, Esq.	5	1 0	865	49·4	62·74	...	...
D	Blair Gardens	W. N. McCall, Esq.	5	1 6	155	...	(44·95)	227	174
	Moor Farm	W. N. McCall, Esq.	5	1 0	810	...	49·57	...	...
D	Stewarton Filters	C. Mc.L. Bodie, Esq.	5	1 6	515	...	48·93	230	179
D	Dalry (Munnoch Reservoir)	W. G. Guild, Esq.	5	1 0	325	47·9	45·67	207	171
D	Dalry (Caaf Reservoir)	W. G. Guild, Esq.	5	1 3	515	53·2	54·27	230	182
D	Dalry (Birkheadsteel)	W. G. Guild, Esq.	5	1 3	520	...	54·42	230	179
	Dalry Waterworks (Thirdpart)	T. W. Leslie, Esq.	5	1 0	560	52·0	46·35	...	...
M	§Dalry (Drum Burn)	W. G. Guild, Esq.	5	0 11	744	...	47·62	...	...
M	Dalry (South Knockendon)	W. G. Guild, Esq.	5	1 1	704	...	49·45	...	...
	Dalry (Knockendon)	W. G. Guild, Esq.	5	1 0	750	...	53·05	...	...
M	Dalry (South Bradshaw)	W. G. Guild, Esq.	5	1 1	946	...	51·25	...	...
	Dalry (Bradshaw)	W. G. Guild, Esq.	5	1 0	1050	...	50·15	...	...
M	Dalry (Haining)	J. A. McGregor, Esq., C.E.	5	1 0	895	...	58·60	...	...
	Dalry (Camphill Reservoir) (+A)	J. A. McGregor, Esq., C.E.	5	1 0	611	61·2	63·53	...	...
M	Dalry (Catburn)	J. A. McGregor, Esq., C.E.	5	1 0	1013	...	67·15	...	...
M	Dalry (Whitehill)	J. A. McGregor, Esq., C.E.	5	1 0	628	61·8	65·00	...	...
M	Dalry (Blairpark)	J. A. McGregor, Esq., C.E.	5	1 0	722	61·3	62·15	...	...
M	Dalry (Rye Water)	J. A. McGregor, Esq., C.E.	5	1 0	1032	...	65·95	...	...
D	Beith (Filter Station)	T. W. Leslie, Esq.	5	1 0	412	53·7	51·61	210	175
D	Kilbirnie (Holehouse Filters)	T. W. Leslie, Esq.	5	1 0	377	63·4	61·31	225	193
	4.—AYR. 222 sq. mi.								
D	Ayr (Cemetery)	Thomas O'Beirne, Esq., C.E.	5	1 0	40	34·8	29·30	166	136
D	Ayr (Airthrey)	National Coal Board	5	1 0	40	...	32·44	177	134
D	AUCHINCRUIVE	W. Scotland Agricultural Coll.	8	1 0	147	39·0	32·44	179	136
d	Muirkirk (Kaimshill)	National Coal Board	5	1 6	750	47·8	42·61	202	165
D	Mauchline (Auchenfail)	Miss M. T. Stephen	5	1 0	380	...	37·83	194	147
D	Mauchline (Hillhead Tank)	T. W. Leslie, Esq.	5	1 0	564	42·8	38·97	194	159

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	AYRSHIRE—(*contd.*)		*in.*	*ft.*	*in.* *ft.*	*in.*	*in.*		
	5.—DOON. 119 sq. mi.								
	Loch Recawr	Thomas O'Beirne, Esq., C.E.	5	1	0 933	...	72·00	...	...
	Loch Finlas	Thomas O'Beirne, Esq., C.E.	5	1	0 849	55·1	49·29	...	...
	Loch Doon	British Electricity Authority	5	1	0 665	...	41·41	...	...
D	Dalmellington (Mossdale Filters)	T. W. Leslie, Esq.	5	1	0 752	48·6	48·90	230	165
d	Dunaskin (Ardoon)	National Coal Board	5	1	0 686	47·8	46·20	196	163
D	Patna (Kerse Filters)	T. W. Leslie, Esq.	5	1	0 741	...	46·64	245	163
D	Maybole (Otterden)	D. Cross, Esq.	5	1	0 314	43·2	38·48	239	158
	Dalrymple (Knockjarder W.W.)	Thomas O'Beirne, Esq., C.E.	5	1	0 287	42·6	37·86	...	...
D	Ayr (Doonholm)	Col. N. Kennedy, C.B.E., D.S.O., D.L.	5	1	0 90	38·8	39·09	..199	149
D	Alloway (Doonside)	Col. F. C. Dunlop	5	1	2 200	...	39·48	202	158
	6.—CULZEAN BAY & C. 32 sq. mi.								
D	TURNBERRY	Hotels Executive	5	1	0 63	...	35·21	180	142
	7.—GIRVAN. 105 sq. mi.								
D	Girvan (Penwhapple Reservoir)	Burgh Surveyor	5	1	0 662	...	44·83	215	163
W	Loch Bradan	Burgh Surveyor, Troon	5	0	10 990	57·6	54·48	...	...
	8.—STINCHAR & C. 155 sq. mi.								
D	Glenapp Castle Gardens	Mr. J. A. Macdonald	5	1	0 300	...	47·17	184	164
D	Ballantrae	D. J. W. Gray, Esq., M.B.E.	5	1	0 15	...	38·40	212	151
D	COLMONELL (Knockdolian)	Maj.-Gen. D. McConnell	5	1	0 170	44·8	36·23	238	193
W	Girvan (Glendrissaigh Reservoir)	Burgh Surveyor	11	0	9 266	...	40·98	...	...
	9.—LOCH RYAN. 12 sq. mi.								
	10.—LUCE BAY. 15 sq. mi.								
d	Ballantrae (Lagafater Lodge)	Miss Boult	5	0	11 792	64·8	57·42	...	167
	11.—CREE. 40 sq. mi.								
	12.—DEE. 9 sq. mi.								
	13.—NITH. 62 sq. mi.								
	Afton Reservoir (Afton Water)	T. W. Leslie, Esq.	5	1	0 1525	78·8	70·65	...	...
	Afton Reservoir (Alwhat Burn)	T. W. Leslie, Esq.	5	1	0 1435	79·9	69·70	...	...
	Afton Reservoir (Montraw Burn)	T. W. Leslie, Esq.	5	1	0 1554	77·6	69·80	...	...
	§Afton Reservoir (Montraw)	T. W. Leslie, Esq.	5	1	0 1372	75·7	67·25	...	...
	Afton Reservoir (Green Burn)	T. W. Leslie, Esq.	5	1	0 1415	84·6	78·15	...	...
D	Afton Reservoir (Filters)	T. W. Leslie, Esq.	5	1	0 1366	...	62·11	237	195
D	Glen Afton (Ayr Sanatorium)	Dr. Wm. A. Murray	5	1	0 833	53·2	48·61	221	166
D	New Cumnock (Power Station)	National Coal Board	5	1	0 764	55·8	43·62	205	168
	14.—INSULAR. 1 sq. mi.								
	Ailsa Craig	Com'rs. of N. Lighthouses	5	1	0 35	...	(30·80)	...	...
	RENFREWSHIRE. (Area, 241 sq. mi.)								
	1.—CLYDE. Right Bank Tributaries. 3 sq. mi.								
	2.—CLYDE. Left Bank Tributaries. 194 sq. mi.								
M	Eaglesham (Dunwan Reservoir) No. 3	Geo. Sime, Esq.	5	1	0 822	50·5	52·32	...	...
M	Eaglesham (Dunwan Reservoir) No. 4	Geo. Sime, Esq.	5	1	0 841	50·6	52·19	...	...
W	Eaglesham (Picketlaw Reservoir) No. 1	Geo. Sime, Esq.	5	1	0 690	...	52·29	...	...

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	RENFREWSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—CLYDE—(*contd.*)								
D	Gorbals Dist. W.W. (Waulk Glen)	S. D. Canvin, Esq., C.E.	8	1 0	280	47·2	44·71	205	166
	Paisley W.W. (Muirhead)	J. A. McGregor, Esq., C.E.	5	1 0	482	53·9	52·26	...	...
	Paisley W.W. (Springside)	J. A. McGregor, Esq., C.E.	5	1 0	532	54·4	54·67	...	...
	Paisley W.W. (Back Thornlymuir)	J. A. McGregor, Esq., C.E.	12	1 0	646	50·9	46·68	...	...
	Paisley W.W. (Stanely)	J. A. McGregor, Esq., C.E.	5	1 0	190	47·3	45·13	...	...
D	Barrhead (Sewage Works)	Burgh Surveyor	5	1 0	100	...	38·34	185	148
D	Howwood (Midton House)	A. D. McNab, Esq.	5	1 3	232	54·7	52·73	211	173
D	Pollokshaws (Rouken Glen Park)	G. H. Garside, Esq.	5	1 0	155	43·2	36·05	189	153
D	Glasgow (Linn Park)	G. H. Garside, Esq.	5	1 0	164	...	33·47	201	156
D	Pollokshaws (Pollok House)	Sir John Stirling-Maxwell, Bt.	5	1 0	50	36·5	31·98	199	147
D	Lochwinnoch (Kaim Dam)	J. H. Murray, Esq., C.E.	8	1 0	616	72·7	69·70	227	195
M	§Calder Water (White Grain Burn)	County Engineer	5	1 0	1437	...	90·39	...	...
D	Calder Water (Muirshiel Mill) (+A)	County Engineer	5	1 0	782	...	73·40	233	199
	§Calder Water (Queenside Loch)	County Engineer	5	1 0	1260	...	88·80	...	...
M	Upper Calder	County Engineer	5	1 0	1337	...	89·00	...	...
D	Calder Water (Barytes Mine)	County Engineer	5	1 0	1008	...	87·74	245	202
D	Bridge of Weir (Ranfurly)	Rev. E. T. Vernon	5	1 0	290	...	55·88	209	170
M	Calder Dam	County Engineer	5	1 0	918	...	85·95	...	...
d	Paisley (Thornly Park School)	W. K. Wallace Lees, Esq., O.B.E.	5	1 0	195	...	46·02	192	159
D	PAISLEY (Coats Observatory)	J. Woodrow, Esq.	8	1 0	106	40·7	37·91	198	158
M	§Greenock W.W. (Duchal Moor)	Corporation	5	1 0	1150	75·0	78·10	...	...
M	§Greenock W.W. (Creuch Hill)	Corporation	5	1 0	1350	72·2	69·90	...	...
M	Greenock W.W. (Green Water)	Corporation	5	1 0	788	*68·1*	69·80	...	...
D	RENFREW (Glasgow Airport) (+A)	Meteorological Office	8	1 0	29	37·0	33·56	191	147
D	Kilmacolm (Waterworks)	James Grier, Esq.	5	1 0	600	67·0	55·02	221	180
D	Kilmacolm Village	James Grier, Esq.	5	1 0	300	51·7	51·01	220	179
D	Greenock W.W. (Gryfe Reservoir)	Corporation	5	1 0	640	64·0	67·07	221	185
D	Greenock W.W. (Mansfield)	Corporation	5	1 0	573	...	62·91	221	185
	Greenock W.W. (Darndaff Moor)	Corporation	5	1 0	850	64·5	70·20	...	...
W	Greenock W.W. (Kelly Dam)	Corporation	5	1 0	640	...	62·20	...	...
	3.—FIRTH OF CLYDE. 34 sq. mi.								
	Inverkip (Daff Burn Reservoir)	Burgh Surveyor	8	1 0	506	58·4	60·91	...	...
D	Dougliehill Filters (Pt. Glas. W.W.)	I. M. MacLean, Esq., C.E.	8	1 6	550	53·4	49·22	194	167
D	Parkhill Filters (Port Glasgow W.W.)	I. M. MacLean, Esq., C.E.	8	1 6	275	48·1	42·35	195	167
D	§Greenock W.W. (Compensation Res.)	Corporation	5	1 0	600	...	63·43	215	181
D	Greenock W.W. (Loch Thom)	Corporation	5	1 0	643	65·4	66·65	215	182
D	Greenock W.W. (New Yett's Dam)	Corporation	5	1 0	800	63·2	68·94	223	190
W	Greenock W.W. (Spango Burn)	Corporation	5	1 0	757	62·6	68·40	...	...
D	Greenock W.W. (Hole Glen)	Corporation	5	1 0	603	61·6	69·86	224	187
D	GREENOCK W.W. (Prospect Hill) (+A)	Corporation	5	1 0	199	58·2	58·14	215	174
D	Gourock (Coves Reservoir)	Burgh Surveyor	5	1 0	350	...	57·64	216	179
	4.—IRVINE. 10 sq. mi.								

DIVISION XV—WEST MIDLAND COUNTIES

	DUNBARTONSHIRE. (Area, 270 sq. mi.)								
	1.—FORTH. Right Bank Tributaries. 10 sq. mi.								
	2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.								
D	HELENSBURGH (Valve House)	Burgh Engineer	8	1 0	293	53·0	50·16	213	179
	Garelochhead (Whistlefield Filters)	Malcolm Ross, Esq.	5	1 0	295	...	56·61	...	...
D	Garelochhead (Arddarroch Gardens)	Mr. D. Macpherson	5	1 0	100	...	72·82	233	203

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	DUNBARTONSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	3.—CLYDE. Leven. 149 sq. mi.								
D	Dumbarton (Sewage Works)	W. Wilson, Esq., C.E.	5	1	11	...	37·66	173	153
D	Renton (Carman Filters)	Malcolm Ross, Esq.	5	1	292	46·8	42·18	201	162
D	Loch Lomond Park	G. H. Garside, Esq.	5	1	156	50·2	55·45	235	211
	Helensburgh (Blairnairn No. 1)	Burgh Engineer	8	1	575	...	59·81	...	...
	Helensburgh (Blairnairn No. 2)	Burgh Engineer	5	1	1250	...	58·47	...	...
	Helensburgh (Blairnairn No. 3)	Burgh Engineer	5	1	1580	...	56·90	...	...
	Glen Finlas Reservoir No. 1	Malcolm Ross, Esq.	5	1	782	*69·1*	72·05	...	...
	Glen Fruin (Auchingaich Res.) S.	Malcom Ross, Esq.	5	1	800	...	67·18	...	...
	Glen Fruin (Auchingaich Res.) N.	Malcolm Ross, Esq.	5	1	800	...	66·69	...	...
D	Glen Finlas Reservoir No. 2	Malcolm Ross, Esq.	5	1	810	*81·4*	87·88	224	201
	Loch Sloy (Coiregrogain)	N. of S. Hydro-Electric Bd.	5	1	449	...	114·21	...	...
D	Loch Sloy (Sloy Power Station) (+A)	N. of S. Hydro-Electric Bd.	5	1	40	...	101·84	225	213
d	Loch Sloy (Sloy Dam)	N. of S. Hydro-Electric Bd.	5	1	966	...	126·61	...	217
M	Ardvorlich	N. of S. Hydro-Electric Bd.	5	1	1123	...	119·08	...	...
	Allt a Chnoic	N. of S. Hydro-Electric Bd.	5	1	1349	...	(140·69)	...	...
	4.—CLYDE. Right Bank Tributaries. 59 sq. mi.								
	Bowling Filters	Malcolm Ross, Esq.	5	1	0	230	...	36·07	...	...
D	Duntocher (Cochno Filters)	J. E. McWilliam, Esq.	5	1	0	400	44·2	37·76	202	165
W	Kilpatrick Hills (Greenside Res.)	J. E. McWilliam, Esq.	5	1	0	876	51·8	48·10	...	...
W	Kilpatrick Hills (Loch Cochno)	J. E. McWilliam, Esq.	5	1	0	909	52·8	52·31	...	...
W	Kilpatrick Hills (Jaw Reservoir)	J. E. McWilliam, Esq.	5	1	0	912	53·9	52·44	...	...
	STIRLINGSHIRE. (Area, 463 sq. mi.)								
	1.—FORTH. Right Bank Tributaries. 263 sq. mi.								
d	Shieldhill (Gardrum Moss)	Department of Agriculture	5	1	0	660	...	39·33	224	162
d	Falkirk (Inglewood, Laurieston)	Miss H. S. D. Ballantine	5	1	0	133	34·8	30·66	...	145
D	Falkirk (Westbank) *Garden*	W. Gibson, Esq.	5	1	0	75	36·0	32·71	192	151
D	Falkirk (Westbank) *Lawn*	W. Gibson, Esq.	5	1	0	105	33·6	32·78	192	151
D	FALKIRK (Arnotdale) (+A)	W. Gibson, Esq.	5	1	0	105	33·7	32·86	192	151
	Falkirk (Kerse)	Robert Johnston, Esq., C.E.	5	1	0	18	31·9	25·60	...	...
d	Grangemouth (Burgh Depot)	J. C. Wallace, Esq., C.E.	5	1	0	15	30·9	26·21	...	...
	Little Denny Reservoir	Stirling & Falkirk W. Board	8	1	0	326	42·8	44·72	...	...
	Little Denny Filters	Stirling & Falkirk W. Board	8	1	0	243	42·4	43·15	...	...
	Kilsyth (Faughlin Reservoir)	Stirling & Falkirk W. Board	8	1	0	707	54·4	57·10	...	...
D	Kilsyth (Craigannet)	Stirling & Falkirk W. Board	8	0	6	740	...	53·70	222	177
	Fintry (Waterhead)	Stirling & Falkirk W. Board	8	1	0	850	61·3	60·74	...	...
	§Kilsyth (Kirkburn)	Stirling & Falkirk W. Board	8	1	0	743	...	51·64	...	...
	Denny (Buckieburn Reservoir)	Stirling & Falkirk W. Board	8	1	0	824	45·3	51·78	...	...
	Denny (Buckieburn Filters)	Stirling & Falkirk W. Board	8	1	0	760	42·1	53·53	...	...
	Earlsburn Reservoir	Stirling & Falkirk W. Board	8	1	0	1202	56·8	58·77	...	...
D	Stirling (North Third Reservoir) No. 1	J. C. Wallace, Esq., C.E.	8	0	10	574	49·4	50·74	217	170
M	Stirling (North Third Reservoir) No. 2	J. C. Wallace, Esq., C.E.	5	1	0	825	...	50·20	...	...
M	Stirling (North Third Reservoir) No. 3	J. C. Wallace, Esq., C.E.	5	1	0	1014	...	48·55	...	...
D	Stirling (Touch Reservoir) No. 3	J. H. Leishman, Esq.	8	1	0	759	49·1	48·17	221	161
D	Stirling (Touch Reservoir) No. 2	J. H. Leishman, Esq.	8	1	0	707	47·9	46·29	222	156
D	Stirling (Touch Reservoir) No. 1	J. H. Leishman, Esq.	8	1	0	455	47·6	48·49	224	164
d	Kippen (Gribloch Gardens)	Head Gardener	5	1	0	530	...	(46·22)	(207)	(167)
D	STIRLING (Sauchie House)	Town Council	5	1	0	151	35·9	34·60	188	142
d	Meiklewood	Mr. W. Donaldson	5	1	0	39	...	38·22	...	...
	Duchray Valley (Ben Lomond)	S. D. Canvin, Esq., C.E.	8	1	3	1500	89·2	95·35	...	...
	Duchray Valley (Glen Dhu)	S. D. Canvin, Esq., C.E.	8	1	3	500	81·8	78·40	...	...
	Duchray Valley (Comer)	S. D. Canvin, Esq., C.E.	8	1	3	600	86·5	77·90	...	...
	Duchray Valley (Achaidh Burn)	S. D. Canvin, Esq., C.E.	8	1	3	1200	94·4	98·15	...	...
	Duchray Valley (Hd. of Main Stream)	S. D. Canvin, Esq., C.E.	8	1	3	950	88·8	93·05	...	...

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	STIRLINGSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—Forth. Teith. 5 sq. mi.								
D	Stronachlachar (Invergyle)	S. D. Canvin, Esq., C.E.	8	1 6	376	83·2	79·67	224	188
	3.—FORTH. Left Bank Tributaries. 15 sq. mi.								
D	Bridge of Allan (Langlands)	W. H. Gillespie, Esq.	5	1 0	45	...	33·45	184	146
	4.—CLYDE. Leven. 128 sq. mi.								
M	Kilpatrick Hills (Burncrooks Res.)	J. E. McWilliam, Esq.	5	1 0	835	51·9	48·06	...	...
D	Strathblane (Blanefield)	S. D. Canvin, Esq., C.E.	5	0 7	250	50·6	51·45	215	178
d	Fintry (Police Station)	S. Armstrong, Esq.	5	1 0	300	...	53·00	200	168
D	Balfron (Old Ballikinrain)	A. R. Cross, Esq.	5	1 0	214	...	45·42	224	165
	Endrick Weir	Stirling & Falkirk W. Board	8	1 0	780	...	52·44	...	...
	Loch Arklet (Corriehichon)	S. D. Canvin, Esq., C.E.	8	1 6	870	82·6	93·10	...	...
	Loch Arklet (Corriearklet)	S. D. Canvin, Esq., C.E.	8	1 0	950	...	94·10	...	...
	5.—CLYDE. Right Bank Tributaries. 52 sq. mi.								
D	Strathblane (Mugdock Reservoir)	S. D. Canvin, Esq., C.E.	5	0 6	320	46·2	47·85	227	177
D	Milngavie (Eastertoun)	Late Major R. M. Ker	5	1 0	450	46·4	45·50	207	170
d	Kilsyth (Sewage Works)	J. Milne, Esq.	5	1 0	135	...	44·74	220	177
D	Kilsyth (Innsbridge)	J. Milne, Esq.	5	4 6	197	47·7	47·95	225	177
	BUTESHIRE. (Area, 218 sq. mi.)								
	1.—ISLE OF BUTE. 50 sq. mi.								
D	Rothesay (Dhu Loch Waterworks)	A. Stephen, Esq.	5	1 6	273	...	45·11	216	183
D	ROTHESAY (Ardencraig)	Mr. J. McDermott	5	1 0	200	49·0	48·74	217	182
	2.—CUMBRAES. 4 sq. mi.								
D	MILLPORT (Marine Biological Station)	Director	5	1 0	16	40·1	42·07	212	164
W	Millport (Waterworks)	J. Russell, Esq.	11	3 6	167	...	43·25	...	...
	3.—ARRAN. 164 sq. mi.								
D	Dougarie Lodge	P. Helm, Esq.	5	1 0	50	46·0	44·06	210	183
	ARGYLLSHIRE. (Area, 3,181 sq. mi.)								
	1.—TAY. Tummel. 36 sq. mi.								
	2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
D	Ardnamurchan Lighthouse (+A)	Com'rs. of N. Lighthouses	5	1 0	79	...	53·84	233	199
D	Morvern (Drimnin)	Miss A. Horsman	5	1 0	225	62·4	66·76	238	212
	3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.								
D	Morvern (Kingairloch)	Mr. A. Cameron	5	1 0	40	98·4	114·76	237	226
D	Ardgour (Inversanda)	Mrs. N. Irvine	5	1 0	25	...	111·54	235	212
	Corran Lighthouse	Com'rs. of N. Lighthouses	5	1 0	13	81·0	92·79	214	200
D	Ardgour House	Miss Maclean of Ardgour	5	0 10	60	97·6	108·84	258	222
d	Conaglen	Mrs. M. Kerr	5	0 4	50	...	107·53	248	215
	4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.								
d	Barcaldine	Forestry Commission	5	1 0	50	65·9	73·78	232	198
D	Loch Creran (Rhugarbh)	Miss Chisholm of Chisholm	5	1 0	20	...	69·62	245	204
D	Duror (Achadh Nan Sgiath)	G. H. Malcolm, Esq.	5	1 0	40	...	68·00	234	196
	Glenduror Forest	Forestry Commission	5	1 0	950	...	116·83	...	...
	Glenleven (Blackwater House)	British Aluminium Co. Ltd.	8	1 0	1069	80·8	95·78	...	...
D	Glenleven (Blackwater Dam, S.)	British Aluminium Co. Ltd.	8	1 0	1100	84·0	104·45	270	220
D	Glenleven (Kinlochleven)	British Aluminium Co. Ltd.	8	1 0	140	86·4	98·69	247	212

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ARGYLLSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	5.—LOCH ETIVE. 197 sq. mi.								
	6.—LOCH ETIVE. Loch Awe. 319 sq. mi.								
D	Loch Awe (Inverinan)	W. D. Rattray, Esq.	5	1	150	...	88·58	230	205
D	Dalmally (Craig)	Capt. R. A. Oldham	5	1	200	...	78·31	213	200
	7.—FIRTH OF LORNE. 112 sq. mi.								
d	Kilmelfort (Arduaine)	Brig. B. A. Campbell of Arduaine	5	0 10	23	57·9	63·45	...	183
D	Kilmelfort (Kilchoan)	Miss D. M. Henderson	5	1	30	...	64·70	256	194
d	Kilmelfort, Tralaig (Innie)	N. of S. Hydro-Electric Bd.	5	1	524	...	92·76	...	...
	Kilninver	A. F. Nicol, Esq.	5	1 6	40	58·7	75·68	...	...
W	Oban (Gleann-a-Bhearraidh Reservoir)	Burgh Surveyor	8	1 6	400	57·2	64·67	...	...
D	OBAN	Burgh Surveyor	8	1	229	...	68·43	223	192
	8.—SOUND OF JURA. 163 sq. mi.								
D	Lochgilphead (Poltalloch)	Colonel G. I. Malcolm	5	1 3	120	52·7	66·76	238	207
	9.—KINTYRE, WEST. 146 sq. mi.								
	‖Mull of Kintyre	Com'rs. of N. Lighthouses	5	1	270	40·9	35·97	188	157
d	Largie Castle	Mrs. Moreton Macdonald	5	1	160	46·3	44·43	...	178
D	West Loch Tarbert (Ardpatrick)	W. B. K. Kenneil, Esq.	5	0 10	25	...	41·26	216	177
W	West Loch Tarbert (Dunmore)	Capt. J. V. Taylor	5	1	8 100	...	47·03	...	...
	10.—KINTYRE, EAST. 177 sq. mi.								
D	Campbeltown	D. M. Kellock, Esq., C.E.	5	1	0 20	...	44·74	200	173
W	Glen Lussa (Corrylach)	N. of S. Hydro-Electric Bd.	5	1	0 442	...	51·04	...	...
	Glen Lussa (Bordadubh)	N. of S. Hydro-Electric Bd.	5	1	0 570	...	60·77	...	...
D	Carradale (Torrisdale Castle)	Mrs. John Campbell	5	1	0 84	65·5	58·90	221	186
D	Carradale (Saddell Manse)	Mrs. M. F. Argyll Baker	5	1	6 25	62·6	58·60	254	190
D	Monybacach (Skipness)	W. McLaren, Esq.	5	1	1 80	*48·8*	49·95	213	173
	11.—LOCH FYNE. 246 sq. mi.								
d	Ardrishaig (Stronachullin)	Jas. E. Scott, Esq.	5	1	0 50	...	75·29	...	204
D	Ardrishaig (Canal Office)	Engineer & Manager	5	1	0 48	63·5	69·38	237	206
D	LOCH FYNE (LEPHINMORE)	(+A) W. Scotland Agric. Coll.	5	1	0 30	...	69·83	196	183
d	Loch Fyne (Barnacarry)	Miss M. Manton	5	1	8 44	...	(71·15)	(210)	(193)
D	Crarae Lodge	Capt. G. I. Campbell	5	1	0 20	70·2	83·20	238	203
D	Strachur Park	Lady G. Campbell	5	1	9 25	68·8	74·99	245	198
D	Brenchoillie	Chamberlain of Argyll	5	1	0 240	68·9	88·93	233	201
D	Inveraray Castle Gardens	J. McRobbie, Esq.	5	1	0 40	77·2	88·35	237	197
M	Loch Sloy (Beinn Choranach)	N. of S. Hydro-Electric Bd.	5	1	0 1340	...	144·82	...	...
W	Loch Sloy (Allt Uaine)	N. of S. Hydro-Electric Bd.	5	1	0 1123	...	140·16	...	...
d	Ellerigbeg	N. of S. Hydro-Electric Bd.	5	1	0 29	...	86·88	231	199
d	Glen Fyne Lodge	N. of S. Hydro-Electric Bd.	5	1	0 126	...	99·99	...	195
W	Allt Na Lairige	N. of S. Hydro-Electric Bd.	5	1	0 1075	...	137·45	...	...
D	Shira Main Dam	N. of S. Hydro-Electric Bd.	5	1	0 1123	...	95·27	...	...
M	Loch Fyne Head	N. of S. Hydro-Electric Bd.	5	1	0 1151	...	128·67	...	...
	12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.								
D	Toward (Knockdow Gardens)	Miss Augusta Lamont	5	1	2 101	56·8	52·49	225	186
D	Dunoon (Waterworks)	Burgh Surveyor	5	1	0 227	...	77·33	240	199
D	DUNOON	Burgh Surveyor	5	1	0 138	...	70·72	209	186
D	Ardnadam (Ashville)	Charles F. Priestley, Esq.	5	1	0 26	...	74·39	219	187
d	Glendaruel (Ormidale)	O. M. Chance, Esq.	5	1	0 50	...	78·56	...	...
d	Glen Tarsan	N. of S. Hydro-Electric Bd.	5	1	0 400	...	83·11	...	...

‖ Site unorthodox.

DIVISION XV—WEST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ARGYLLSHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	12.—FIRTH OF CLYDE AND COWAL—(*contd.*)								
D	DUNOON (BENMORE Forest School)	Forestry Commission	5	1 0	46	...	85·36	220	199
D	Loch Eck (Benmore)	Head Gardener	5	1 0	40	86·6	93·74	241	211
d	Garvie Farm	N. of S. Hydro-Electric Bd.	5	0 9	140	...	90·00	...	192
D	Strachur (GLENBRANTER)	Forestry Commission	5	1 0	120	85·2	97·50	221	205
	13.—CLYDE. Leven. 4 sq. mi.								
M	Loch Sloy (Beinn Ime 'South')	N. of S. Hydro-Electric Bd.	5	1 0	1322	...	133·65	...	...
M	Loch Sloy (Beinn Ime 'North')	N. of S. Hydro-Electric Bd.	5	1 0	1533	...	139·95	...	...
	14.—INSULAR. 854 sq. mi.								
	Sanda Lighthouse	Com'rs. of N. Lighthouses	5	2 9	134	*36·8*	35·99	175	149
D	Gigha	Lt.-Col. J. N. Horlick, M.C.	5	1 0	65	...	39·63	189	158
	Islay (Lochindaul)	Com'rs. of N. Lighthouses	5	0 7	45	44·0	49·38	206	197
	Islay (McArthur's Head)	Com'rs. of N. Lighthouses	5	0 6	173	56·5	55·83	226	192
D	Islay (Eallabus)	J. H. Cranston, Esq.	5	1 0	68	48·9	51·75	216	198
	Islay (Rhuvaal)	Com'rs. of N. Lighthouses	5	1 0	69	42·0	46·85	179	170
D	Jura (Ardfin)	Col. W. Riley Smith	5	1 0	160	...	51·59	209	195
D	Jura (Ardlussa)	R. G. Fletcher, Esq.	5	0 9	100	50·1	50·68	226	189
D	COLONSAY	Lord Strathcona	5	1 0	87	47·4	53·34	241	203
d	Seil (An Cala)	Col. the Hon. A. C. Murray	5	1 0	30	57·4	66·55	...	...
	Lismore (Mousedale)	Com'rs. of N. Lighthouses	7	3 10	38	43·7	66·63	220	194
D	Iona (Maol)	Mr. MacNiven	5	1 0	60	...	48·20	236	198
d	Mull (Auchnacraig)	G. W. Duncan, Esq.	8	1 0	50	...	87·86	...	197
D	Mull (Ulva)	Edith, Lady Congleton	5	1 0	40	...	59·40	234	197
D	Mull (Gruline)	Mr. J. Walker	8	1 0	100	79·0	83·77	252	223
	Mull, Sound of	Com'rs. of N. Lighthouses	...	... ...	...	61·5	70·20	237	221
D	TIREE Airport	(+A) Meteorological Office	8	1 0	29	44·7	46·06	234	183

DIVISION XIV—EAST MIDLAND COUNTIES

	CLACKMANNANSHIRE. (Area, 55 sq. mi.)								
	1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.								
D	Alloa House Gardens	Earl of Mar & Kellie, K.T.	5	3 0	50	33·2	31·82	207	153
W	Alloa W.W. (Gartmorn Reservoir)	Burgh Surveyor	5	1 0	172	32·1	29·12	...	...
D	Tillicoultry (The Cemetery)	Superintendent	5	1 0	80	34·5	29·47	190	150
W	Menstrie (Lipney Filters)	J. D. A. Ross, Esq.	5	1 0	328	...	31·14	...	...
M	Glendevon (Broich Burn) No. 2	County Engineer, Fife	8	1 0	1333	71·7	65·89	...	...
M	Glendevon (Backhill) No. 9	County Engineer, Fife	8	1 0	1067	58·3	58·13	...	...
d	Glendevon (Backhill)	County Engineer, Fife	8	1 0	1067	59·9	58·52	...	...
	KINROSS-SHIRE. (Area, 87 sq. mi.)								
	1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.								
	2.—LEVEN & C. 67 sq. mi.								
D	Loch Leven Sluice	G. Harley, Esq.	5	1 0	360	35·8	32·47	224	140
d	Milnathort (Laurel Bank)	Capt. L. Kininmonth	5	1 0	396	36·3	(32·25)	(185)	(129)
D	Milnathort (Ledlanet)	Sir James C. Calder, K.B.E.	5	1 4	650	47·1	41·32	203	154
D	Milnathort (Ochil Hills Hospital)	Medical Superintendent	5	1 0	800	47·3	38·00	179	152
	3.—EDEN. 2 sq. mi.								

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	KINROSS-SHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—TAY. Earn. 3 sq. mi.								
	FIFESHIRE. (Area, 505 sq. mi.)								
	1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.								
D	DUNFERMLINE	(+A) Carnegie Dunfermline Trust	5	1 0	237	...	25·97	180	126
D	Kincardine (Tulliallan)	Head Gardener	5	1 0	90	33·8	25·48	187	127
M	Carnock (Craigluscar Reservoir) ..	D. H. Shaw, Esq., M.C., C.E.	12	0 4	480	36·1	32·60	...	...
	2.—LEVEN & C. 208 sq. mi.								
D	Burntisland (Cullaloe Reservoir) ..	Burgh Surveyor	5	1 0	294	...	29·68	173	140
D	KIRKCALDY (Beveridge Park)	Town Clerk	5	1 0	106	30·0	27·51	174	115
D	Cowdenbeath (Sewage Works) ..	H. Gardiner, Esq.	5	1 0	390	...	30·18	187	132
	Cleish Hills (Craigaveral)	H. Gardiner, Esq.	5	1 0	760	41·0	35·12	...	...
	Cleish Hills (Roscobie Reservoir) ..	H. Gardiner, Esq.	5	1 0	660	39·6	32·39	...	...
D	Kirkcaldy (Carberry)	R. Ritchie, Esq.	5	1 0	326	...	25·40	177	122
	Cleish Hills (Blairadam)	H. Gardiner, Esq.	5	1 0	670	35·8	29·70	...	...
M	Cleish Hills (Lochglow Reservoir) ..	H. Gardiner, Esq.	5	1 0	900	...	30·05	...	...
D	Glenrothes (Woodside) ..	(+A) Glenrothes Developmt. Corp.	5	1 0	273	...	26·72	176	128
D	Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	5	1 0	700	36·7	29·09	189	125
D	Leven (Silverburn)	Sir David Russell	5	1 0	70	...	21·51	167	114
D	LUNDIN LINKS	Largs Improvements Assn.	5	1 0	9	...	21·96	147	123
D	Markinch (Rothes)	Sir David Russell	5	1 0	198	...	26·44	192	125
D	Markinch (Carriston Reservoir) ..	County Engineer	5	0 9	293	32·9	29·37	204	133
D	Markinch (Coul Reservoir)	County Engineer	5	0 9	438	35·2	30·89	203	152
D	Carnbee (Ovenstone Waterworks) ..	Mr. John R. Stewart ..	5	1 0	168	25·8	22·40	160	115
D	Arncroach (Belliston)	Mr. J. M. Roger	5	1 1	270	...	23·61	162	116
	3.—EDEN & C. 205 sq. mi.								
D	Cupar (Clatto Reservoir)	R. W. Morrison, Esq. ..	5	1 0	505	30·1	25·55	197	131
D	Cameron (Waterworks)	Burgh Engr., St. Andrews ..	5	1 0	478	29·9	25·18	176	114
D	Cupar (Pitlair)	Mr. John Blyth	5	1 0	126	29·5	21·35	166	131
d	Cupar (Rankeillour)	Mr. R. Meldrum	5	1 0	240	28·7	21·24	...	...
D	Kingsbarns (Croft Butts)	Gp. Capt. H. M. K. Brown	5	1 0	75	...	19·72	142	106
D	Cupar (Beet Sugar Factory)	British Sugar Corpn. Ltd. ..	5	1 0	82	...	22·90	157	118
D	St. Andrews (Waterworks)	Burgh Engineer	5	1 0	217	27·3	22·34	173	109
D	ST. ANDREWS	Burgh Engineer	5	1 0	13	27·1	21·04	172	112
D	LEUCHARS Airfield	(+A) Meteorological Office ..	8	1 0	36	25·7	19·58	159	109
	4.—FIRTH OF TAY. 25 sq. mi.								
D	Balmerino House	Mr. R. L. Constable ..	5	1 0	200	...	20·95	171	110
d	Newport (Tayfield)	W. Berry, Esq.	5	4 6	100	28·3	20·28	...	...
D	Tayport Lighthouse	Dundee Harbour Trust ..	5	1 0	27	26·3	19·61	164	116
	5.—TAY. Earn. 1 sq. mi.								
	6.—INSULAR.								
	Isle of May	Com'rs. of N. Lighthouses	5	4 0	180	...	22·75	127	102
	PERTHSHIRE. (Area, 2,535 sq. mi.)								
	1.—FORTH. Right Bank Tributaries. 17 sq. mi.								
D	Loch Dhu	S. D. Canvin, Esq., C.E. ..	5	1 0	325	79·8	75·49	202	186
	2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.								
D	Loch Ard (Couligarton)	Major R. S. Cuninghame ..	5	0 10	200	...	67·43	217	183

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	PERTHSHIRE—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	3.—FORTH. Teith. 221 sq. mi.								
M	Ochtertyre (Stirling)	Lt.-Col. J. C. Dundas, D.S.O.	5	1 0	14	39·4	36·64	...	...
	Loch Drunkie	S. D. Canvin, Esq., C.E.	8	1 10	420	62·4	62·72	...	...
	Ben Venue (Glasahoile)	S. D. Canvin, Esq., C.E.	8	1 6	1150	79·4	76·60	...	...
D	Loch Vennachar	S. D. Canvin, Esq., C.E.	5	1 0	275	55·3	49·40	214	175
D	Brig o' Turk	S. D. Canvin, Esq., C.E.	5	1 0	275	63·7	59·20	219	189
	Loch Katrine (Tunnel Hill Top)	S. D. Canvin, Esq., C.E.	8	1 6	830	79·0	85·31	...	...
	Ben Ledi	S. D. Canvin, Esq., C.E.	8	1 8	1400	67·0	63·00	...	...
	Achnahard	S. D. Canvin, Esq., C.E.	8	1 0	474	65·5	59·90	...	...
	Callander (Leny House)	Capt. M. Murray Buchanan	5	1 0	340	56·9	48·20	...	...
W	Strone Bridge	S. D. Canvin, Esq., C.E.	8	1 6	380	71·7	70·10	...	...
	Glen Meann	S. D. Canvin, Esq., C.E.	8	1 3	800	76·5	74·00	...	...
	Glen Finlas	S. D. Canvin, Esq., C.E.	8	1 3	1200	78·3	77·95	...	...
D	Glengyle	S. D. Canvin, Esq., C.E.	8	1 0	380	89·9	89·47	218	196
	Upper Glengyle	S. D. Canvin, Esq., C.E.	8	1 6	750	94·7	99·90	...	...
	Allt a' Choin	S. D. Canvin, Esq., C.E.	8	1 0	1250	88·2	92·90	...	...
d	Strathyre	Forestry Commission	5	1 0	425	...	69·65	...	...
W	Balquhidder (Blaircreach)	Miss E. Fergusson	5	1 0	460	92·7	85·45	...	...
	4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.								
d	Dunblane	J. W. Kirkland, Esq.	5	0 11	320	...	36·55	162	130
d	Dunblane (Elmswood)	A. E. Martin, Esq.	5	1 0	300	...	30·07	159	129
D	Glendevon (Glenquey Reservoir) No. 2	County Engineer, Fifeshire	8	1 0	942	58·0	55·64	218	168
D	Glendevon (Frandy)	County Engineer, Fifeshire	8	1 0	911	61·6	55·87	219	181
	Glendevon (Glensherup)	A. Sinclair, Esq., C.E.	12	0 4	945	59·0	48·70	...	...
M	Glendevon (Bald Hill) No. 1	County Engineer, Fifeshire	8	1 0	1202	58·0	57·21	...	...
M	Glendevon (Wether Hill) No. 10	County Engineer, Fifeshire	8	1 0	1408	...	55·74	...	...
	5.—LEVEN. 1 sq. mi.								
	6.—EDEN. 4 sq. mi.								
	7.—TAY. Earn. 376 sq. mi.								
M	Blackford	Water Engineer, Perthshire	5	1 7	500	...	41·79	...	...
	Upper Farg (Plains)	County Engineer, Fifeshire	8	1 0	900	...	32·79	...	...
D	Upper Farg (Main Bank)	County Engineer, Fifeshire	8	1 0	632	...	31·41	205	123
	Glenfarg (Waterworks)	Water Engineer, Perthshire	5	1 0	675	...	26·87	...	...
	Bridge of Earn (Ramsheugh)	Water Engineer, Perthshire	5	1 0	310	...	27·33	...	...
D	Bridge of Earn (Ballendrick)	G. M. Taylor, Esq.	5	1 0	50	31·5	26·43	175	121
	Lochearnhead (Ardloch)	S. Moir, Esq.	5	1 0	370	62·1	55·52	...	...
D	Lochearnhead (Ardvorlich)	Major J. Stewart.	5	1 0	350	...	59·85	205	167
d	Lochearnhead (Edinchip)	Sir Malcolm MacGregor, Bt.	5	1 0	513	69·0	62·01	...	...
D	Comrie (Dunira Gardens)	W. P. Robertson, Esq.	5	1 8	200	...	44·33	185	158
M	Meall nam Fiadh	N. of S. Hydro-Electric Bd.	5	1 0	1850	...	59·40	...	...
d	Comrie (Invergeldie Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	795	...	43·45	...	144
	Glen Tarken	N. of S. Hydro-Electric Bd.	5	1 0	1170	...	(56·95)	...	...
	Allt am Driuchd	N. of S. Hydro-Electric Bd.	5	1 0	1750	...	61·85	...	...
D	Crieff (Strathearn Hydro)	Manager	5	1 0	478	40·9	32·70	186	144
	Loch Turret (Lower Glenturret)	Water Engineer, Perthshire	5	1 0	1100	...	42·44	...	...
	Loch Turret (Glenturret Lodge)	Water Engineer, Perthshire	5	1 0	1250	...	51·28	...	...
	Loch Turret (Upper Glenturret)	Water Engineer, Perthshire	5	1 0	1400	...	(52·59)	...	...
	8.—TAY. Almond & c. 149 sq. mi.								
D	Perth (Craigie Haugh) (+A)	J. Penman, Esq., C.E.	5	4 2	14	...	22·53	169	114
D	PERTH (Wellshill Cemetery)	Town Council	5	1 0	77	30·8	24·24	201	130
	Methven (Waterworks)	Water Engineer, Perthshire	5	1 0	450	...	26·26	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	PERTHSHIRE—(*contd.*)		*in.*	*ft.*	*ft.*	*in.*	*in.*		
	9.—TAY. Strathtay below Dunkeld. 33 sq. mi.								
	Dunkeld	Water Engineer, Perthshire	5	1 0	480	...	29·78	...	...
	10.—TAY. 81 sq. mi.								
D	Strath Bran (Glenquaich Lodge)	W. A. Cox, Esq.	5	1 0	900	54·1	40·11	206	157
D	Strath Bran (Garrows)	K. O. Hunter, Esq.	5	0 9	980	...	40·35	209	152
	11.—TAY. Strathtay above Dunkeld. 95 sq. mi.								
D	Aberfeldy (Tigh'n Eilean)	Dr. N. D. Mackay	5	1 0	320	37·4	29·28	199	133
	12.—TAY. Loch Tay. 241 sq. mi.								
D	Glenoglehead	N. of S. Hydro-Electric Bd.	5	1 0	942	...	69·91	204	185
	Beinn Leabhain	N. of S. Hydro-Electric Bd.	5	1 0	1850	...	63·60	...	...
D	Tyndrum Manse	Dr. Walker	5	1 0	750	...	98·70	247	212
D	Killin (Kinnell Gardens)	Head Gardener	5	1 0	380	58·2	58·84	205	194
D	Kenmore (Dalerb)	W. L. Ross, Esq.	5	1 1	390	...	36·86	181	148
	13.—TAY. Lyon. 142 sq. mi.								
D	Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bart.	5	1 0	700	61·5	62·98	230	177
	Fortingall (Glenlyon House)	Mr. David R. Dow	5	1 0	425	44·7	37·76	...	...
	14.—TAY. Tummel. 587 sq. mi.								
D	Loch Rannoch (Railway Station)	N. of S. Hydro-Electric Bd.	5	1 0	1007	60·4	66·19	247	196
D	Loch Rannoch (Power House)	N. of S. Hydro-Electric Bd.	5	1 1	675	43·4	43·96	195	163
d	Foss (Domnaheich)	N. of S. Hydro-Electric Bd.	5	1 0	640	...	31·66	170	127
D	Loch Tummel (Power House)	N. of S. Hydro-Electric Bd.	5	1 0	500	...	34·04	197	148
D	Pitlochry (Faskally)	Brown Trout Research Lab.	5	1 0	400	...	27·23	204	128
d	Loch Tummel (Strathtummel P.O.)	N. of S. Hydro-Electric Bd.	5	1 0	660	...	26·79	...	140
	Loch Tummel (Over Bohespic)	N. of S. Hydro-Electric Bd.	5	1 0	1000	...	33·84	...	...
M	Pitlochry (Allt Girnaig)	County Engineer, Perthshire	5	1 0	850	...	29·30	...	...
D	Fincastle House	R. S. Barbour, Esq.	5	1 0	980	35·4	31·43	197	146
D	Ericht Dam	N. of S. Hydro-Electric Bd.	5	1 0	1196	54·1	55·28	232	180
D	Struan (Auchleeks)	Miss Robertson	5	1 0	710	45·5	38·59	223	167
W	Auchleeks	N. of S. Hydro-Electric Bd.	5	1 0	1500	...	40·70	...	...
D	Blair Atholl (Blair Castle Gardens)	Mr. A. B. Duguid	5	1 0	500	33·6	27·37	197	131
D	Edendon Bridge	N. of S. Hydro-Electric Bd.	5	1 0	1029	...	30·63	175	139
W	Dalnaspidal (Luidhearnaidh)	N. of S. Hydro-Electric Bd.	5	1 4	1710	63·4	64·35	...	...
d	Glen Tilt (Clachglas)	N. of S. Hydro-Electric Bd.	5	1 0	1000	...	36·13	...	...
D	Glen Bruar (Bruar Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	1500	44·9	34·69	243	164
M	Edendon (Stronphadruig Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	1630	...	59·99	...	...
	15.—TAY. Isla. 282 sq. mi.								
D	Blairgowrie (Bankhead)	W. A. Coutts, Esq.	5	1 2	230	...	23·70	178	123
D	Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1 0	350	37·4	28·95	170	135
d	Dunkeld (Riechip Lodge)	Mrs. E. Crammond	5	1 0	1000	...	25·10	162	123
	Loch Benachally	Blairgowrie Dist. Water Bd.	8	1 0	1007	40·4	27·94	...	...
d	Kirkmichael (Ballintuim House)	W. H. Bell, Esq.	5	1 4	700	40·3	28·30	184	146
	Glenshee Lodge	Lt.-Col. C. A. Peel	5	1 0	1000	...	36·61	...	...
	16.—TAY. Left Bank Tributaries. 51 sq. mi.								
	Balbeggie (Montague Reservoir)	Water Engineer, Perthshire	5	1 0	530	...	(28·02)	...	...
	17.—FIRTH OF TAY. 45 sq. mi.								
	Errol (Fingask)	Water Engineer, Perthshire	5	1 0	550	...	25·90	...	...
	18.—SPEY. Right Bank Tributaries. 1 sq. mi.								
	19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.								
	20.—CLYDE. Leven. 36 sq. mi.								
	Lairig (Arnan)	N. of S. Hydro-Electric Bd.	5	1 0	1115	...	131·85	...	...
	Dubh Eas	N. of S. Hydro-Electric Bd.	5	1 0	1210	...	130·91	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ANGUS. (Area, 875 sq. mi.)			*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—TAY. Isla. 211 sq. mi.									
D	Glamis Castle		Mr. D. McInnes	5	0 7	250	30·9	26·06	171	130
D	Forfar (Yeaman Street)		William P. Welsh, Esq.	5	1 0	226	...	24·32	178	122
D	Kirriemuir (Lintrathen)	(+A)	R. Little, Esq., C.E.	8	1 0	700	34·7	27·53	196	131
	Kirriemuir (Balnakeilly)		R. Little, Esq., C.E.	5	1 0	700	34·1	28·25	...	...
	Kirriemuir (Dykends)		R. Little, Esq., C.E.	5	1 0	750	36·4	30·60	...	...
	Kirriemuir (Creich Hill N.)		R. Little, Esq., C.E.	5	1 0	1491	40·5	(31·90)	...	...
	Kirriemuir (Backwater)		R. Little, Esq., C.E.	5	1 0	850	39·7	31·70	...	...
	Kirriemuir (Westerton)		R. Little, Esq., C.E.	5	1 0	900	40·5	32·00	...	...
	Kirriemuir (Macritch)		R. Little, Esq., C.E.	5	1 0	1300	38·7	(34·40)	...	...
	Kirriemuir (Newton)		R. Little, Esq., C.E.	5	1 0	735	37·4	32·40	...	...
	Kirriemuir (Longdrum)		R. Little, Esq., C.E.	5	1 0	1045	39·3	33·80	...	...
	Kirriemuir (Glendye)		R. Little, Esq., C.E.	6	1 0	1050	44·9	35·50	...	...
	Kirriemuir (Barney)		R. Little, Esq., C.E.	5	1 0	1170	40·2	35·70	...	...
	Kirriemuir (Glenhead)		R. Little, Esq., C.E.	5	1 0	1260	43·1	35·90	...	...
	Kirriemuir (Dalvanie)		R. Little, Esq., C.E.	5	1 0	1020	42·7	33·45	...	...
	Kirriemuir (Glen Damff)		R. Little, Esq., C.E.	5	1 0	1360	43·7	37·40	...	...
	2.—FIRTH OF TAY. 80 sq. mi.									
D	Carnoustie (Buddon Ness Light)		Dundee Harbour Trust	5	1 0	15	26·4	20·77	170	117
D	Dundee (Stobsmuir Reservoir)		R. Little, Esq., C.E.	5	1 0	278	...	21·11	171	119
d	Dundee (Camperdown Works)		Cox Bros. Ltd.	5	1 0	300	26·8	20·43	...	...
W	Balruddery		H. S. Sharp, Esq.	5	1 6	260	29·8	22·42	...	...
D	Dundee (Mayfield)		Director of Studies	8	1 0	147	26·2	20·71	166	123
D	Dundee (Clatto Reservoir)		R. Little, Esq., C.E.	8	1 2	498	...	21·16	200	130
	3.—SOUTH ESK & C. 371 sq. mi.									
D	Carnoustie		Burgh Surveyor	8	1 0	17	27·2	20·89	188	117
D	Monikie Reservoir		R. Little, Esq., C.E.	5	1 0	494	34·7	24·15	190	125
D	Monikie (Crombie Reservoir)		R. Little, Esq., C.E.	5	1 0	528	35·2	24·30	176	119
	Monikie (Fallaws)		R. Little, Esq., C.E.	8	3 0	585	33·2	25·26	...	...
D	Arbroath (Springfield Park)		Town Council	5	1 0	95	25·6	21·25	166	112
W	Arbroath (Muirheads Reservoir)		Burgh Engineer	5	1 0	251	28·1	23·89	...	...
D	Forfar (Pitscandly House)		Mrs. Ewen	5	1 8	300	...	24·53	158	113
D	§Montrose		Burgh Surveyor	5	1 0	16	26·2	22·01	165	116
D	Montrose (West End Park)		Burgh Surveyor	5	1 0	19	26·0	24·27	165	120
D	‖Forfar Waterworks (Den of Ogil)		Alex. C. Millar, Esq.	5	0 5	633	39·4	30·55	209	150
D	Glenogil (Waterworks)		Burgh Engineer, Arbroath	5	1 0	690	40·9	29·25	185	137
	Glen Prosen (Cormuir)		R. Little, Esq., C.E.	5	1 0	870	53·1	(34·40)	...	...
	4.—NORTH ESK & C. 213 sq. mi.									
D	Montrose (Royal Mental Hospital)		Medical Superintendent	5	0 10	200	27·0	24·58	186	134
D	Montrose (Kinnaber Waterworks)		Burgh Surveyor	5	1 0	30	...	23·67	158	127
D	Brechin (Stracathro Hospital)		Medical Superintendent	5	1 0	120	...	25·02	179	123
D	Loch Lee (Inchgrundle)		County Engineer, Angus	5	1 0	885	...	40·92	213	147
D	Bridge of Lee		County Engineer, Angus	5	1 0	920	...	41·32	222	154
D	Loch Lee (Invermark)		County Engineer, Angus	5	1 0	895	...	35·91	193	141
	Glen Lee (Stables)		County Engineer, Angus	5	1 0	1545	...	39·25	...	...

DIVISION XVII—NORTH-EASTERN COUNTIES

	KINCARDINESHIRE. (Area, 382 sq. mi.)									
	1.—NORTH ESK & C. 99 sq. mi.									
D	Fettercairn (Glensaugh)	(+A)	N. of S. College of Agric.	5	1 0	560	...	31·77	206	144
d	Fordoun (Auchenblae)		G.W.McConachie,Esq.,M.A.	5	1 0	362	33·2	27·45	...	...

§ Turf wall round gauge. ‖ Exposure unorthodox.

DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

	STATIONS		AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	KINCARDINESHIRE—(*contd.*)			*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	2.—BERVIE, COWIE & C. 139 sq. mi.									
	Todhead Point Lighthouse		Com'rs. of N. Lighthouses	5	1 9	114	...	20·78	...	...
D	STONEHAVEN		Town Council	5	1 0	125	27·4	25·59	169	120
D	MUCHALLS		N. of S. College of Agric.	5	1 0	210	...	25·81	166	128
	Girdleness Lighthouse		Com'rs. of N. Lighthouses	7	4 0	89	...	26·30	...	106
	3.—DEE. 144 sq. mi.									
D	Strachan (Bridge of Dye)		Sir Albert Gladstone	5	1 0	513	43·9	30·88	180	127
D	Banchory (Invery)		Major Jas. Kerr	5	1 0	225	34·8	29·09	181	131
D	Banchory (Invercannie)		A. G. Booth, Esq., C.E.	5	0 9	208	31·9	25·94	186	114
	ABERDEENSHIRE. (Area, 1,974 sq. mi.)									
	1.—DEE. 672 sq. mi.									
D	Glen Muick (Allt na Guibhsaich)		A. G. Booth, Esq., C.E.	5	1 0	1370	45·1	41·53	234	156
D	§Aitnach		A. G. Booth, Esq., C.E.	5	1 0	1260	41·9	35·46	188	150
D	BRAEMAR (Bank)		R. A. Lees, Esq.	5	1 0	1111	35·4	29·07	207	138
D	Braemar (Derry Lodge)		A. G. Booth, Esq., C.E.	5	1 0	1400	38·1	33·68	212	161
d	Ballater (Birkhall Sawmill)		Forestry Commission	5	1 1	650	...	28·66	182	129
D	Glen Tanar (Mansion House)		Lord Glentanar	5	1 0	553	...	28·94	187	128
D	BALMORAL Castle Gardens	(+A)	Mr. E. Stuart	5	1 0	927	33·0	27·78	219	129
d	§Ballater (Irrigation Farm)		A. G. Booth, Esq., C.E.	5	1 0	633	33·2	27·41	...	...
	Beinn Bhreac		A. G. Booth, Esq., C.E.	5	1 0	2700	47·1	49·46?	...	...
d	Aboyne (Irrigation Farm)		A. G. Booth, Esq., C.E.	5	1 0	380	31·9	24·59	...	...
D	Glen Gairn (Gairn Shiel Lodge)		A. G. Booth, Esq., C.E.	5	1 0	1100	34·4	26·60	207	140
	Glen Gairn (Corndavon)		A. G. Booth, Esq., C.E.	5	1 0	1500	...	29·53	...	...
	Lumphanan		A. G. Booth, Esq., C.E.	5	1 0	476	...	26·14	...	...
D	Drumoak (Drum Castle)		H. Q. Forbes Irvine, Esq.	5	1 0	320	30·9	29·15	199	124
d	Tarland (Irrigation Farm)		A. G. Booth, Esq., C.E.	5	1 0	467	...	22·56	...	107
D	LOGIE COLDSTONE School		Jas. R. Ferguson, Esq., M.A.	5	1 0	608	30·9	23·82	181	117
W	Bieldside (Netherton Lodge)		J. A. Ross, Esq.	8	1 0	675	...	29·87	...	...
D	ABERDEEN (MANNOFIELD RES.)	(+A)	City Engineer, Aberdeen	5	1 0	171	30·5	27·38	160	125
D	Craigiebuckler		Macaulay Inst. Soil Research	5	1 0	220	...	30·47	198	132
	2.—DON. 512 sq. mi.									
D	Strathdon (Tornashean)		Mr. G. A. Crawford	5	1 0	1000	...	29·61	185	145
D	Bridge of Don (Braehead)		The Marquis of Aberdeen	5	1 0	114	...	26·33	160	110
D	Dyce (CRAIBSTONE)		N. of S. College of Agric.	8	1 0	300	32·3	28·86	176	122
D	DYCE (Aberdeen Airport)	(+A)	Meteorological Office	5	1 0	241	...	30·25	176	119
D	Alford (Littlewood Park)		Sir Alan McLean	5	1 0	750	...	27·13	178	131
	3.—YTHAN & C. 285 sq. mi.									
D	Ellon (Esslemont House)		Mrs. Wolrige Gordon	5	1 0	100	...	25·50	202	120
D	Haddo House		Major D. Gordon	5	1 0	186	31·5	28·21	194	137
d	Fyvie Castle		Sir Ian Forbes-Leith, Bart.	5	1 0	200	33·9	27·31	192	168
	4.—UGIE & C. 257 sq. mi.									
D	New Deer (School House)		C. S. Henderson, Esq.	5	1 0	397	32·3	26·55	212	136
D	Peterhead (Forehill Works)		J. Coull, Esq., C.E.	5	0 8	133	30·3	20·64	183	124
D	Peterhead (Mains of Buthlaw)		W. Johnston, Esq.	5	1 6	120	30·3	24·00	200	121
D	Fedderate Reservoir		G. S. Stewart, Esq.	5	0 9	410	...	26·95	199	138
D	RATTRAY HEAD (Coastguard Stn.)	(+A)	Station Officer, for M.O.	6	1 0	85	...	24·36	199	138
	Kinnaird Head		Com'rs. of N. Lighthouses	5	1 0	62	26·2	23·15	225	137
	5.—DEVERON & C. 248 sq. mi.									
D	HUNTLY		Wm. Eddie, Esq., for M.O.	5	1 0	405	...	29·06	212	141

§ Turf wall round gauge.

DIVISION XVII—NORTH-EASTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	BANFFSHIRE. (Area, 630 sq. mi.)								
	1.—YTHAN. 1 sq. mi.		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	2.—DEVERON & C. 344 sq. mi.								
D	Cabrach Manse	Aberdeen County Council	5	1 0	1025	...	30·00	187	141
D	Drummuir Castle	H. G. Brown, Esq.	5	1 10	620	36·4	29·42	164	135
d	Keith (Isla Bank Mills)	G. & G. Kynoch, Ltd.	5	1 0	360	...	31·24	196	142
D	Turriff (Forglen Gardens)	Mr. S. Barclay	5	1 0	220	31·9	27·28	193	133
D	BANFF	Town Council (I. H. Gordon)	5	0 9	130	26·8	26·65	196	136
d	Buckie (Rochomie)	Burgh Surveyor	5	1 0	287	27·0	20·91	...	...
D	Cullen House Gardens	C. A. Ritchie, Esq.	5	1 2	150	30·6	24·48	197	132
	3.—SPEY. Right Bank Tributaries. 285 sq. mi.								
D	GLENLIVET (Clashnoir)	Walter Duncan, Esq., for M.O.	5	1 0	1050	...	32·34	182	141
D	Dufftown (Glenrinnes Manse)	Rev. W. Gardiner	5	1 0	995	...	36·10	201	151
D	Ballindalloch	R. McIntosh, Esq.	8	1 0	630	33·7	32·22	188	137
	MORAYSHIRE. (Area, 477 sq. mi.)								
	1.—DEVERON & C. 7 sq. mi.								
	2.—SPEY. Right Bank Tributaries. 35 sq. mi.								
D	FOCHABERS (Gordon Castle)	Col. G. C. Gordon Lennox, C.V.O., D.S.O.	5	1 0	104	29·8	25·43	181	119
	3.—SPEY. Left Bank Tributaries. 133 sq. mi.								
D	Grantown-on-Spey (Moniack)	H. Grant Cumming, Esq.	5	1 0	700	...	28·82	195	142
	4.—LOSSIE & C. 154 sq. mi.								
D	Forres (Dallas Lodge)	Brig. H. W. Houldsworth	5	1 0	600	...	32·05	196	138
D	Kellas (Kellas House)	Mrs. Christie	5	2 0	446	31·4	29·70	180	142
D	Lhanbryde (Blackhills House)	Mr. W. Dunbar	5	1 0	310	32·0	28·46	178	143
D	Elgin (Kirkhill)	Mrs. M. D. MacDonald	5	1 7	35	...	23·84	200	126
D	Elgin (The Bield)	Mrs. Harrison	5	1 4	120	...	24·22	186	124
D	§ELGIN (Cemetery) (+A)	Town Council	5	1 1	92	...	22·53	168	118
D	Elgin (Newton Nursery)	Forestry Commission	5	1 0	75	...	22·93	187	127
	5.—FINDHORN & C. 148 sq. mi.								
D	FORRES (Hydro)	Town Clerk	5	1 0	155	...	24·46	173	119
D	Kintessack (Culbin)	Mr. W. G. Milne	5	1 0	28	...	25·36	193	125
D	KINLOSS Airfield (+A)	Meteorological Office	5	1 0	16	...	24·17	178	119
	NAIRNSHIRE. (Area, 163 sq. mi.)								
	1.—FINDHORN & C. 102 sq. mi.								
D	Ardclach (Glenferness)	Mr. J. May	8	1 0	700	34·8	35·28	186	140
D	Lethen	Major D. J. Brodie	5	1 6	300	...	31·06	172	139
	2.—NAIRN & C. 61 sq. mi.								
D	Cawdor (Auchindoune)	Col. the Hon. I. M. Campbell	5	1 0	425	...	29·73	222	138
D	Cawdor Castle	Mr. James Taylor	5	0 9	225	29·2	29·52	208	143
D	Nairn (Firhall)	Lt.-Col. Angus Cameron	5	1 0	65	24·7	25·76	197	131
D	Nairn (Balblair)	Major R. H. Allanby	5	1 9	94	24·7	28·50	176	151
D	Nairn (Achareidh)	Mrs. Clarke	8	1 0	59	23·9	25·12	204	132
D	NAIRN (Golf Course)	Town Clerk	8	1 0	20	22·5	24·50	189	124

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	INVERNESS-SHIRE. (Area, 4,146 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—TAY. Tummel. 28 sq. mi.								
	2.—SPEY. Right Bank Tributaries. 437 sq. mi.								
D	DALWHINNIE	G. Ritchie, Esq., for M.O.	8	1 0	1176	46·7	46·17	224	176
M	Loch Seilich (Gaick Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	1430	...	50·85	...	...
D	Loch an t-Seilich	N. of S. Hydro-Electric Bd.	5	1 0	1430	...	51·67	250	188
	§Loch Cuaich	N. of S. Hydro-Electric Bd.	5	1 0	1340	...	40·25	...	...
D	Glenshero	British Aluminium Co. Ltd.	8	0 10	880	45·9	49·91	235	192
D	Aviemore (Kinrara)	Wm. Murphy, Esq...	5	1 7	800	...	32·92	206	160
D	Loch Morlich (GLENMORE LODGE)	D. of Field Studies, for M.O.	5	1 0	1075	...	37·16	207	148
d	Loch Morlich (Badaguish)	Forestry Commission	5	1 0	1100	...	33·92	...	...
	3.—SPEY. Left Bank Tributaries. 257 sq. mi.								
D	Cluny Castle	G. A. Sinclair, Esq.	5	1 0	816	39·9	39·56	235	178
M	Loch Spey	British Aluminium Co. Ltd.	5	1 0	1164	...	71·07	...	...
	Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	8	1 0	1135	55·2	64·90	...	...
D	§Laggan (Gergask)	Mrs. J. A. Gillies	8	1 5	900	...	36·32	234	167
D	Kingussie	Miss Jessie Dallas	8	1 0	800	...	31·54	245	172
	4.—FINDHORN. 164 sq. mi.								
D	Tomatin (Dalmigavie Lodge)	C. W. Christie-Miller, Esq.	5	1 2	1150	42·5	37·26	228	157
	5.—NAIRN & C. 131 sq. mi.								
D	Dalcross Airfield (+A)	Meteorological Office	5	1 0	35	...	22·48	178	120
	6.—NESS. Right Bank Tributaries. 252 sq. mi.								
d	Invergarry (Aberchalder Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	180	...	45·95	...	...
	Auchterawe (Lon Mor)	Forestry Commission	5	1 0	525	...	54·05	...	...
D	Fort Augustus (Auchterawe)	Forestry Commission	5	0 6	136	47·7	52·59	214	186
D	FORT AUGUSTUS (St. Benedicts)	Procurator	5	1 0	68	...	45·92	221	164
D	Loch Ness (Garthbeg)	British Aluminium Co. Ltd.	8	1 0	630	40·1	44·15	238	177
D	Loch Ness (Foyers)	British Aluminium Co. Ltd.	8	1 0	52	38·2	40·74	211	154
D	Loch Ness (Aberchalder)	British Aluminium Co. Ltd.	8	1 0	700	39·4	35·77	225	161
W	Loch Ashie	Town Council	5	1 0	718	33·0	(30·30)	...	...
D	INVERNESS (Culduthel Reservoir)	Town Council	5	1 0	242	27·6	27·97	204	129
	7.—NESS. Garry & c. 185 sq. mi.								
	Glen Kingie (Lachan na Sgud)	N. & S. Hydro-Electric Bd.	5	1 0	470	...	(98·05)	...	...
D	Invergarry (Craigard)	N. of S. Hydro-Electric Bd.	5	1 0	181	...	56·78	219	173
D	Glen Garry (Kingie Camp) (+A)	N. of S. Hydro-Electric Bd.	5	1 0	480	...	97·30	236	208
D	Glen Garry (Inchlaggan)	N. of S. Hydro-Electric Bd.	5	1 0	360	...	64·11	218	194
D	Loch Quoich (Glenquoich)	Mr. R. McRae*	5	1 2	569	110·7	121·86	262	224
	Glen Quoich (Alltbeithe)	N. of S. Hydro-Electric Bd.	5	1 0	760	...	(122·17)	...	...
	8.—NESS. Moriston. 120 sq. mi.								
d	Cluanie Camp	N. of S. Hydro-Electric Bd.	5	0 8	610	...	79·81	...	...
d	Glenmoriston (Ceannacroc)	N. of S. Hydro-Electric Bd.	5	1 0	481	...	70·85	...	...
d	Glenmoriston (Invermoriston Hotel)	N. of S. Hydro-Electric Bd.	5	1 0	70	44·0	51·98	...	...
d	Invermoriston (Allt Saigh)	N. of S. Hydro-Electric Bd.	5	1 1	95	41·2	48·06	...	161
	9.—NESS. Enrick. 133 sq. mi.								
d	Glen Urquhart House	Capt. Bosworth-Martin	5	1 3	470	36·1	35·84	201	156

§ Turf wall round gauge.

* *Per* Capt. W. N. McClean (River Flow Records).

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	INVERNESS-SHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	10.—BEAULY. 341 sq. mi.								
M	Glen Affric (Creag na Calman)	N. of S. Hydro-Electric Bd.	5	1 0	1500	71·7	72·15	...	...
D	Glen Affric (Affric Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	765	59·4	59·68	217	208
M	Glen Fiadh	N. of S. Hydro-Electric Bd.	5	1 0	1550	83·3	82·01	...	...
d	Glen Affric (Benevean Dam)	N. of S. Hydro-Electric Bd.	5	1 0	762	...	47·30	...	...
D	Cannich (Balcladaich)	Forestry Commission	5	1 0	350	45·9	39·81	218	174
D	Cannich (Fasnakyle)	N. of S. Hydro-Electric Bd.	5	1 0	264	42·6	38·46	198	160
	Glen Affric (Loch na Gobhlaig)	N. of S. Hydro-Electric Bd.	5	1 0	2030	...	66·39	...	...
d	Glen Cannich (Mullardoch Dam) (+A)	N. of S. Hydro-Electric Bd.	5	1 0	672	63·4	64·80	...	...
D	Strathglass (Glassburn)	Maj.-Gen. A. L. Collier, C.B.E.	5	1 0	170	...	38·45	227	171
d	Glen Farrar (Broulin Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	500	...	51·84	...	182
d	Glen Farrar (Leishmore)	N. of S. Hydro-Electric Bd.	5	1 0	200	...	39·70	...	...
	11.—CROMARTY FIRTH. 13 sq. mi.								
	12.—SOUND OF SLEAT. 259 sq. mi.								
D	Arisaig (Traigh House)	Mrs. Vera Shaw Stewart	5	1 0	20	...	64·89	229	215
D	Loch Morar (Rhubana)	N. of S. Hydro-Electric Bd.	5	1 0	52	...	76·70	253	217
D	Loch Nevis (Inverie Gardens)	D. A. Strutt, Esq.	5	1 0	15	84·0	83·37	244	224
D	Loch Hourn (Kinlochourn)	Ewen MacRae, Esq.	5	1 0	18	100·7	117·70	248	230
	13.—SOUND OF ARISAIG. 126 sq. mi.								
D	Moidart (Glenmoidart)	Miss Margery Lees	5	1 0	200	84·5	92·32	237	218
D	Loch Ailort (Polnish)	C. M. Wedderburn, Esq.	5	1 0	120	78·0	83·97	246	207
D	Arisaig House	Mr. J. MacPherson	5	1 0	40	62·9	71·31	277	211
	14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.								
	15.—LOCHY. Right Bank Tributaries. 143 sq. mi.								
	Glen Loy (Erracht)	Major E. C. Cameron	5	1 0	150	79·8	85·97	...	...
D	Loch Arkaig (Achnacarry)	Lt.-Col. D. H. Cameron of Lochiel	5	1 0	128	80·6	80·42	248	201
D	Clunes (Loch Lochy West)	Col. Sir D. W. Cameron of Lochiel	5	1 6	110	73·6	80·13	236	210
M	Clunes (Kilmallie)	A. W. Morrison, Esq.	5	1 0	1050	...	79·50	...	...
	16.—LOCHY. Left Bank Tributaries. 362 sq. mi.								
	Fort William (Allt a'Mhuilinn)	British Aluminium Co. Ltd.	8	1 0	1000	83·6	82·86	...	...
d	Fort William (The Factory)	British Aluminium Co. Ltd.	8	1 0	75	73·0	72·95	246	196
	Roy Bridge (Lairig Road)	British Aluminium Co. Ltd.	8	1 0	1650	85·7	82·25	...	...
	Spean Bridge (The Cour)	British Aluminium Co. Ltd.	5	1 0	1050	92·4	89·06	...	...
	Sgurr Finisgaig	British Aluminium Co. Ltd.	8	1 0	1850	89·4	(82·93)	...	...
D	Loch Treig (Fersit)	British Aluminium Co. Ltd.	8	1 0	850	62·9	80·88	224	200
	Loch Pattack	Sir J. F. Ramsden, Bart.	5	0 9	1420	58·8	63·28	...	...
M	Glen Spean (Craigbeg)	British Aluminium Co. Ltd.	8	1 0	860	58·6	67·23	...	...
D	Spean Bridge (Spean Lodge)	Mr. J. D. McHardy	5	1 3	200	64·5	71·05	236	196
W	Spean Bridge (Gairlochy)	J. McLaren, Esq.	5	1 0	100	74·2	76·70	...	...
	Loch Lochy (Invergloy)	Mr. M. MacDonald	5	1 0	200	67·1	77·08	...	...
D	Loch Laggan (Ardverikie)	Sir J. F. Ramsden, Bart.	5	0 6	838	54·0	55·74	227	183
	17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.								
D	ONICH	Forestry Commission	5	1 3	48	77·4	88·88	234	212
D	Onich (Corran Gardens)	R. W. Paine, Esq.	5	1 0	72	...	85·73	246	201
D	Glenleven (Blackwater Dam, N.)	British Aluminium Co. Ltd.	8	1 0	1072	85·5	98·18	270	217
D	FORT WILLIAM (Teviot) (+A)	J. W. Ainslie, Esq.	8	1 0	34	78·9	85·48	234	200
D	Fort William (Glasdrum)	British Aluminium Co. Ltd.	5	1 0	216	75·9	85·30	240	209

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	Days with .01 in. or more	Days with .04 in. or more
	INVERNESS-SHIRE—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	18.—INSULAR. INNER HEBRIDES. 832 sq. mi.								
D	Isle of Eigg	Rt. Hon. Viscount Runciman	5	1 0	120	59·2	62·35	245	201
	Oronsay Lighthouse	Com'rs. of N. Lighthouses	5	0 6	10	...	61·65	207	192
d	Skye (Glenbrittle)	(+A) Mr. Ewen MacRae	5	1 0	30	...	92·87	260	230
D	Skye (Broadford)	Dr. B. P. Miesner	5	1 0	23	76·8	87·03	260	227
D	Skye (Kyleakin, Dunringell)	W. A. Douglas-Hamilton, Esq.	5	1 0	70	...	67·26	261	205
D	Skye (Grula)	Forestry Commission	5	1 0	60	...	97·61	265	231
D	Skye (Tallisker)	James A. Cameron, Esq.	5	1 0	15	...	69·08	249	228
D	Skye (Loch Harport, Carbost)	Mr. D. M. MacCaskill	5	1 0	160	...	93·34	254	234
D	Skye (Portree)	Mr. D. Stewart	5	1 0	65	73·1	70·48	239	228
D	Skye (Loch Leathan)	N. of S. Hydro-Electric Bd.	5	0 9	480	...	72·67	257	229
D	Skye (DUNTULM, Kilmuir)	Seton Gordon, Esq., C.B.E.	5	1 0	294	53·5	57·66	252	221
	19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.								
D	Barra (Loch an Duin)	(+A) Department of Agriculture	5	1 0	120	...	49·07	254	207
D	BENBECULA Airport	(+A) Meteorological Office	5	1 0	18	...	49·15	249	201
D	North Uist (Loch Portain)	Mr. Wm. MacLennan	5	1 0	37	...	42·64	264	202
D	Harris (Kyles Lodge)	W. H. Lomas, Esq.	5	1 0	20	...	63·40	248	214
	ROSS & CROMARTY. (Area, 3,237 sq. mi.)								
	1.—NESS. Moriston. 35 sq. mi.								
	2.—BEAULY. 109 sq. mi.								
d	Strathmore Lodge	N. of S. Hydro-Electric Bd.	5	0 11	673	75·3	58·65	...	218
	3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.								
D	FORTROSE	Rev. W. Craig	5	1 0	69	23·8	23·35	185	124
d	Fearn (Geanies)	Capt. K. Murray, J.P.	5	1 0	200	22·8	22·82	...	...
	4.—CROMARTY FIRTH. 714 sq. mi.								
W	Upper Meig (Gleann Fhiodhaig)	N. of S. Hydro-Electric Bd.	5	1 1	760	...	(62·45)	...	...
D	Muir of Ord (Fairburn)	Major J. S. Stirling	5	1 0	500	36·2	32·15	173	144
d	Dalbreac Lodge	N. of S. Hydro-Electric Bd.	5	1 0	500	...	50·75	...	163
D	Loch Gowan (Luib)	N. of S. Hydro-Electric Bd.	5	1 0	625	74·0	81·35	234	213
d	Loch Rosque (Luibmore)	N. of S. Hydro-Electric Bd.	5	1 0	550	...	81·75?	...	...
D	Loch Luichart (East)	N. of S. Hydro-Electric Bd.	5	1 0	165	39·5	36·54	231	167
D	Lochluichart (The Manse)	N. of S. Hydro-Electric Bd.	5	1 0	310	42·0	40·76	202	168
d	Loch Fannich (Cabuie)	N. of S. Hydro-Electric Bd.	5	1 0	850	...	79·07	...	241
D	Lochluichart (Aultdearg)	N. of S. Hydro-Electric Bd.	5	1 0	725	...	47·09	255	187
M	Garbat (Dubh Choille)	Forestry Commission	5	1 0	1150	...	47·43	...	...
D	Garbat Forest (Longart)	Forestry Commission	5	1 0	500	...	47·03	222	215
D	Strath Vaich Schoolhouse	N. of S. Hydro-Electric Bd.	5	1 0	700	...	44·79	234	192
d	Strath Vaich Lodge	N. of S. Hydro-Electric Bd.	5	1 0	790	...	52·23	...	...
D	Alness (Ardross School)	J. H. Ross, Esq.	5	1 6	495	...	25·62	193	130
	Strath Rannoch	N. of S. Hydro-Electric Bd.	5	1 0	925	...	50·71	...	...
	5.—DORNOCH FIRTH. 355 sq. mi.								
D	Tain (Mayfield)	Dr. E. W. Fraser	5	1 0	77	29·0	24·92	202	133
D	TARBATNESS	Com'rs. of N. Lighthouses	5	1 0	60	22·2	19·20	166	113
	6.—ENARD BAY. 78 sq. mi.								

DIVISION XVIII—NORTH-WESTERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge Diam.	Rain-gauge Height of Rim above Ground	Rain-gauge Height of Ground above Sea Level	Average Rainfall	1953 Rainfall	1953 Days with ·01 in. or more	1953 Days with ·04 in. or more
	ROSS & CROMARTY—(*contd*).		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	7.—LOCH BROOM & C. 367 sq. mi.								
	Loch Droma	N. of S. Hydro-Electric Bd.	5	1 0	940	...	59·67	...	...
D	Inverbroom (Glackour)	Forestry Commission	5	1 0	65	56·5	58·04	225	193
D	Dundonnell House	Lt.-Col. Sir T. M. Peto, Bart.	5	1 0	150	...	71·44	238	212
	8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.								
W	Loch Torridon (Torridon House)	Capt. R. G. Gunter	5	1 0	25	...	70·42	...	...
d	Loch Bad-na-Sgalaig	N. of S. Hydro-Electric Bd.	5	1 0	500	...	77·10	...	237
d	Garloch (Badachro)	N. of S. Hydro-Electric Bd.	5	1 0	50	...	63·06	...	230
D	Gairloch (Bank of Scotland House)	N. of S. Hydro-Electric Bd.	5	1 0	40	...	63·15	317	268
D	Inverasdale (Midtown)	Alex. J. MacLeod, Esq.	5	1 0	40	...	71·46	247	210
	9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.								
D	Loch Duich (Ratagan)	Forestry Commission	5	1 0	12	82·3	91·21	238	219
M	Loch Duich (Druim Sgurr)	Forestry Commission	5	1 0	1000	...	88·58	...	...
D	Loch Alsh (Nostie)	N. of S. Hydro-Electric Bd.	5	1 0	25	...	78·85	247	211
D	Balmacara House	Principal	5	1 0	2	...	62·53	239	210
D	Stromeferry (Dailfearn)	Forestry Commission	5	0 8	100	...	67·06	239	210
M	Stromeferry (Am Meallan)	Forestry Commission	5	1 3	625	...	77·11	...	...
D	Lochcarron	R. MacLean, Esq.	5	1 0	5	...	73·84	262	222
D	Applecross (Milton)	D. J. Sutherland, Esq.	5	1 3	5	...	52·01	254	219
D	ACHNASHELLACH	Forestry Commission	5	1 0	225	79·9	84·46	266	225
M	§Coulin Pass	Forestry Commission	5	1 0	950	...	97·60	...	...
	10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.								
	Stornoway Lighthouse	Com'rs. of N. Lighthouses	5	6 0	28	...	41·20	...	189
D	§STORNOWAY Airport	(+A) Meteorological Office	5	1 0	11	...	41·36	253	194

DIVISION XIX—NORTHERN COUNTIES

SUTHERLAND. (Area, 2,080 sq. mi.)

	1.—DORNOCH FIRTH. 413 sq. mi.								
D	Dornoch (Ospisdale)	F. N. Sudlow, Esq.	8	1 2	50	...	26·55	230	148
D	Strath Oykell (Rosehall)	Mr. A. Munro	5	1 0	200	36·8	34·98	231	168
D	Glenrossal	Lt.-Col. P. C. H. Grant	5	1 0	130	...	43·67	228	179
d	Lairg (Higher Torrobole)	William Mackenzie, Esq.	5	1 0	434	...	31·47?	...	137
d	Loch Ailsh (Ben More Lodge)	N. of S. Hydro-Electric Bd.	5	1 0	504	...	92·62	...	...
d	Glen Cassley (Dalphaid)	N. of S. Hydro-Electric Bd.	5	1 0	352	...	61·48	...	189
d	Glen Cassley (Duchally)	N. of S. Hydro-Electric Bd.	5	0 11	437	...	70·53	...	...
	Glen Cassley (Ben More)	N. of S. Hydro-Electric Bd.	5	1 0	1240	...	131·36?	...	...
D	Lairg (Crask)	Mr. Hugh Murray	5	1 0	800	...	48·26	247	217
D	Loch Shin (Corrykinloch)	N. of S. Hydro-Electric Bd.	5	1 0	356	...	80·00	274	225
	2.—FLEET, BRORA & C. 309 sq. mi.								
d	Loch Merkland	N. of S. Hydro-Electric Bd.	5	1 0	383	...	80·68	...	214
M	Loch Merkland (Garvault)	N. of S. Hydro-Electric Bd.	5	1 0	1100	...	93·67	...	...
	3.—HELMSDALE & C. 226 sq. mi.								
	4.—NORTH COAST STREAMS. 736 sq. mi.								
	Loch Merkland (Ben Hee)	N. of S. Hydro-Electric Bd.	5	1 0	1700	...	107·94	...	...
D	Skerray (Borgie)	Forestry Commission	5	1 0	110	37·5	37·73	232	172
D	Tongue	D. Murray, Esq.	5	1 0	40	41·5	35·56	236	184
D	STRATHY (Bowside)	Department of Agriculture	5	1 0	125	...	33·85	239	167

§ Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	SUTHERLAND—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	4.—NORTH COAST STREAMS.—(*contd.*)								
W	Melvich Hotel	Miss M. Mackintosh	5	1 0	200	36·0	30·06	...	...
D	Durness	W. M. Hames, Esq.	5	1 0	105	...	47·62	264	211
D	CAPE WRATH	Principal Keeper, for M.O.	5	1 0	367	41·3	47·53	248	200
	5.—LOCH LAXFORD & C. 256 sq. mi.								
	6.—ENARD BAY. 138 sq. mi.								
D	Loch Stack (Ardchullin)	Mr. W. M. Scobie	5	1 0	150	...	66·05	243	198
D	Elphin	Capt. H. MacLeod	5	1 2	750	61·4	69·35	267	237
D	Lochinver (Bank House)	G. W. Gordon, Esq., J.P.	5	1 0	22	44·6	49·05	238	195
	7.—INSULAR. 2 sq. mi.								
	CAITHNESS. (Area, 696 sq. mi.)								
	1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
M	Berriedale (Langwell)	The Duke of Portland	5	1 6	105	33·8	27·36	...	...
	Clythness	Com'rs. of N. Lighthouses	5	1 5	133	29·6	(25·79)	151	135
	2.—WICK & C. 184 sq. mi.								
D	WICK Airport	(+A) Meteorological Office	5	1 0	119	29·9	26·99	213	149
	Noss Head	Com'rs. of N. Lighthouses	5	0 9	129	25·1	26·14	175	140
	3.—THURSO & C. 238 sq. mi.								
D	Halkirk (Westerdale)	Rev. A. S. Maciver	5	1 0	195	...	28·02	214	175
D	Thurso (Buckies)	Miss J. W. Davidson	5	0 11	240	39·0	29·00	198	158
	Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0 8	68	...	31·48	206	183
	4.—FORSS & C. 104 sq. mi.								
d	Loch Calder (Achavarn Lodge)	County Water Engineer	5	1 0	218	...	32·12	214	153
	5.—INSULAR. 1 sq. mi.								
	Stroma	Com'rs. of N. Lighthouses	5	3 0	54	...	35·72	208	154
	ORKNEY ISLANDS (Area, 389 sq. mi.)								
	Hoy (Cantick Head)	Com'rs. of N. Lighthouses	5	3 10	68	32·9	33·36	195	161
	Hoy (Graemsay Sound, High)	Com'rs. of N. Lighthouses	5	1 4	29..	35·8	35·70	225	176
	Hoy (Graemsay Sound, Low)	Com'rs. of N. Lighthouses	8	4 4	40	35·9	37·71	211	183
D	GRIMSETTER Airport	(+A) Meteorological Office	5	1 0	84	...	35·20	234	169
D	Stenness	P. K. I. Leith, Esq.	5	1 0	75	...	37·27	226	170
	Hellyar Holm	Com'rs. of N. Lighthouses	5	1 3	35	32·9	32·93	190	148
	Shapinsay (Balfour Castle)	Mr. J. W. Liddell	5	0 5	50	32·0	32·27	...	...
	Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1 0	27	31·1	36·18	207	174
	North Ronaldshay	Com'rs. of N. Lighthouses	5	0 9	22	32·8	32·58	180	158
D	SULE SKERRY	Principal Keeper, for M.O.	5	... ...	...	...	34·98	234	178
	SHETLAND ISLANDS. (Area, 558 sq. mi.)								
d	Sandwick	Zetland County Council	5	1 0	250	...	42·10	228	184
D	Burra Isle	Zetland County Council	5	1 0	50	...	37·44	213	167
D	LERWICK OBSERVATORY	(+A) Meteorological Office	5	1 0	269	38·1	43·82	234	184
D	Bixter (Vementry)	Capt. D. Cross	5	1 1	25	...	40·55	225	174
d	Whalsey (Saltness)	Zetland County Council	5	1 0	250	...	37·36	219	181

Northern Ireland

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	FERMANAGH. (Area, 713 sq. mi.)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	1.—ERNE. 667 sq. mi.								
D	Newtownbutler (Crom Castle)	The Earl of Erne	5	1 0	200	38·7	31·67	236	149
d	Florencecourt	The Earl of Enniskillen	5	1 0	274	*48·5*	35·30	194	138
D	Enniskillen (Bellevue)	Lady Margaret Lowry-Corry	5	1 0	210	*41·0*	29·23	238	146
D	Colebrooke	Sir Basil Brooke, Bart.	5	1 0	250	...	32·29	184	145
	Ballinamallard (Rossfad)	Lt.-Col. H. S. C. Richardson	5	0 11	200	...	33·00	141	127
D	Belleek (Roscor)	J. H. Dick, Esq., for M.O.	5	1 0	500	...	41·22	221	186
D	Belleek	Mrs. Beacom	5	1 2	150	*45·5*	40·70	247	186
D	Irvinestown (R.U.C.)	Sgt. Jebb*	5	1 0	303	...	31·84	219	156
D	CASTLE ARCHDALE Airfield (+A)	Meteorological Office	5	1 0	240	...	31·19	209	147
	2.—DROWES & C. 46 sq. mi.								
	ARMAGH. (Area, 514 sq. mi.)								
	1.—DUNDALK BAY. 118 sq. mi.								
	2.—CARLINGFORD LOUGH. 23 sq. mi.								
D	Bessbrook (The Woodhouse)	J. S. W. Richardson, Esq.	5	1 0	260	*37·2*	31·01	197	145
	3.—BANN. Lough Neagh, East. 37 sq. mi.								
	4.—BANN. UPPER. 144 sq. mi.								
D	Markethill (Whitecross)	R.U.C. Barracks*	5	1 0	400	...	30·98	217	164
d	‖Portadown (Tavanagh House)	Borough Surveyor	5	1 0	89	...	21·95	...	...
	5.—BANN. Lough Neagh, West. 192 sq. mi.								
d	Tynan Abbey	Sir Norman Stronge, Bart.	5	1 0	167	...	26·17	183	148
D	ARMAGH Observatory (+A)	Director of Obsy., for M.O.	8	1 0	205	31·7	27·69	193	142
D	Richhill (Sandymount)	Mrs. C. B. Lamb	5	1 6	200	*29·3*	30·06	194	146
	DOWN. (Area, 961 sq. mi.)								
	1.—CARLINGFORD LOUGH. 104 sq. mi.								
D	Newry (Bridge Street House)	C. Blaney, Esq.	5	1 0	23	38·1	28·47	182	129
	2.—DUNDRUM BAY & C. 173 sq. mi.								
D	Silent Valley (Belfast Waterworks)	R. E. D. Bain, Esq., B.A.	5	1 0	457	...	40·65	199	153
D	Annalong (Belfast Waterworks)	R. E. D. Bain, Esq., B.A.	5	1 0	435	*47·5*	38·93	183	144
M	Mourne Mount'ns (Slieve Lamagan)	R. E. D. Bain, Esq., B.A.	5	1 0	1320	...	56·90	...	...
M	Mourne Mount'ns (Lough Shannagh)	R. E. D. Bain, Esq., B.A.	5	1 0	1280	65·6	59·25	...	...
D	Seaforde	Lt.-Col. D. C. Forde	8	1 0	180	38·3	29·02	151	137
	3.—STRANGFORD LOUGH. 260 sq. mi.								
D	Downpatrick (Down High School)	S. Lyons, Esq.*	5	1 0	80	...	25·13	164	112
D	Downpatrick (The Mall)	E. A. Smith, Esq.*	5	1 3	80	...	25·15	168	119
D	Comber (Ballywilliam)	Miss H. L. E. Andrews	5	1 0	160	...	23·57	173	135
d	Grey Abbey (Hollowdene)	J. T. Barnes, Esq.*	5	1 0	6	...	25·40	...	...
	4.—COAST STREAMS. 47 sq. mi.								
D	Ballywalter Park	Lord Dunleath	5	1 0	50	...	27·30	200	133
D	Donaghadee (Craigmore)	Miss E. E. Coates	5	1 0	60	*30·6*	24·45	189	111
D	Donaghadee (Orlock Reservoir)	Resident Engineer	5	1 0	23	...	23·78	161	113

* *Per* Govt. of Northern Ireland. ‖ Gauge over-sheltered.

NORTHERN IRELAND—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Rain-gauge: Height of Rim above Ground	Rain-gauge: Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	1953: Days with ·01 in. or more	1953: Days with ·04 in. or more
	DOWN—(*contd.*)		*in.*	*ft. in.*	*ft.*	*in.*	*in.*		
	5.—BELFAST LOUGH. 206 sq. mi.								
D	Dromara	Govt. of Northern Ireland	5	1 0	400	...	30·96	192	140
M	Annaghanoon	W. J. Gibson, Esq.	5	1 0	200	...	26·77	...	...
D	Waringstown (The Forge)	W. J. Gibson, Esq.	5	1 0	184	32·2	27·07	200	138
D	HILLSBOROUGH (Ag. Research Inst.)	Secretary	5	1 0	388	...	28·75	190	130
D	Hillsborough (Lisadian)	W. J. McCann, Esq.	8	1 0	217	...	28·01	203	136
D	Dundonald (Moyard)	Dr. F. G. L. Barnes	5	1 0	200	...	27·47	182	129
D	Knock (Ormiston Drive)	W. R. Carmody, Esq.	5	1 0	100	...	28·22	192	130
D	Belfast (Kingsway Gardens)	S. Dunlop, Esq.	5	1 0	128	...	29·03	197	136
D	Conlig Reservoir	Bangor Borough Council	5	2 6	213	...	28·15	193	137
D	Ballysallagh Reservoir	Bangor Borough Council	5	2 1	245	...	30·52	186	139
D	Holywood (Waterworks)	Town Surveyor	5	1 0	310	...	28·07	170	135
D	Bangor (Garth House School)	Miss E. N. Swanson	5	1 3	120	...	27·01	156	124
	6.—BANN. Lough Neagh East. 7 sq. mi.								
	7.—BANN. UPPER. 162 sq. mi.								
d	Banbridge	Town Surveyor	5	0 6	252	...	25·26	...	...
	8.—INSULAR. 2 sq. mi.								
	ANTRIM. (Area, 1,193 sq. mi.)								
	1.—BELFAST LOUGH. 107 sq. mi.								
D	LISBURN School	Headmaster	5	1 0	201	34·1	24·84	177	124
D	Dunmurry (Lagmore)	R. E. D. Bain, Esq., B.A.	5	1 0	385	...	34·71	203	152
D	BELFAST (QUEEN'S UNIVERSITY)	Secretary	5	1 0	57	34·5	28·00	189	132
D	Belfast (Sewage Works)	City Surveyor	8	1 0	26	*35·8*	27·97	159	124
D	Belfast (Oldpark Filters)	R. E. D. Bain, Esq., B.A.	5	1 0	203	*39·0*	32·29	181	147
D	‖Carrickfergus (Dorisland)	R. E. D. Bain, Esq., B.A.	5	1 0	271	...	29·78	216	129
D	Carrickfergus (Knockagh)	R. E. D. Bain, Esq., B.A.	5	1 0	723	...	33·40	208	157
D	Carrickfergus (South Woodburn)	R. E. D. Bain, Esq., B.A.	5	1 0	640	*44·5*	33·71	213	149
D	Carrickfergus (North Woodburn)	R. E. D. Bain, Esq., B.A.	5	1 0	735	*45·5*	35·83	216	152
D	Carrickfergus (Copeland)	R. E. D. Bain, Esq., B.A.	5	1 0	427	*40·0*	33·05	212	139
D	Carrickfergus (Lough Mourne)	R. E. D. Bain, Esq., B.A.	5	1 0	596	*42·5*	35·99	229	159
	2.—GLENARM & C. 186 sq. mi.								
D	Larne (Ballycarry)	John Mc.Clintock, Esq.	5	1 0	250	...	32·21	175	131
D	Larne (Sallagh Springs)	H. C. Walker, Esq.	5	4 6	566	*50·0*	39·72	204	159
	3.—BUSH & C. 193 sq. mi.								
D	Ballycastle (Coolgreany)	E. R. Casement, Esq.	5	1 0	90	...	35·36	203	165
	4.—BANN. LOWER. 112 sq. mi.								
D	Toomebridge	M. of Finance Lock Keeper*	5	1 0	59	...	25·36	184	141
	5.—BANN. Lough Neagh, East. 590 sq. mi.								
D	Stoneyford (Belfast Waterworks)	R. E. D. Bain, Esq., B.A.	5	1 0	453	...	29·17	203	140
D	Leathemstown (Belfast Waterworks)	R. E. D. Bain, Esq., B.A.	5	1 0	534	...	29·75	196	128
D	NUTTS CORNER (Belfast Airport)	Meteorological Office	5	1 0	338	...	28·50	180	138
D	ALDERGROVE Airfield (+A)	Meteorological Office	5	1 0	220	33·0	25·79	183	130
D	Randalstown	Old Bleach Linen Co., Ltd.	5	1 0	100	...	30·47	209	133
W	Ballyclare (Little Ardymagh)	F. G. Johnston, Esq.	5	... 10	741	...	35·53	...	...
D	Ballymena (Harryville)	R. Leathem, Esq.	5	1 0	150	41·5	32·37	228	153
D	Broughshane (Quolie)	H. W. Craig, Esq., C.E.	5	1 6	864	*47·3*	43·73	243	171

* *Per* Govt. of Northern Ireland.

‖ Gauge over-exposed.

NORTHERN IRELAND—(*contd.*)

	STATIONS	AUTHORITIES	Rain-gauge: Diam.	Height of Rim above Ground	Height of Ground above Sea Level	Average Rainfall	1953: Rainfall	Days with ·01 in. or more	Days with ·04 in. or more
	ANTRIM—(*contd.*)		*in.*	*ft.* *in.*	*ft.*	*in.*	*in.*		
	6.—INSULAR. 5 sq. mi.								
	LONDONDERRY. (Area, 816 sq. mi.)								
	1.—LOUGH SWILLY. 6 sq. mi.								
	2.—BUSH & C. 9 sq. mi.								
	3.—BANN. LOWER. 240 sq. mi.								
D	Upperlands (Ardtara)	H. J. Clark, Esq.	5	2 0	250	...	30·78	234	152
D	GARVAGH (MONEYDIG)	J. Porter, Esq.	5	1 0	121	38·8	33·76	232	151
D	Coleraine (The Cutts)	M. of Finance Lock Keeper*	5	1 0	22	37·5	32·36	222	160
D	Coleraine (Ingledene)	W. R. Johnston, Esq.	5	3 4	55	36·9	32·64	211	153
	4.—BANN. Lough Neagh, West. 196 sq. mi.								
D	Draperstown (Ard Muiri)	James Gunn, Esq.*	5	1 0	267	...	35·17	237	158
	5.—FOYLE & C. 365 sq. mi.								
M	Glenedra (Spelhoagh Mountain)	Londonderry C.B.C.	5	1 0	1333	*60·0*	(50·47)	...	...
M	Glenedra Hill	Londonderry C.B.C.	5	1 0	1333	*62·5*	(53·68)	...	...
M	Glenedra Lodge	Londonderry C.B.C.	5	1 0	950	57·0	48·10	...	...
M	‖Glenedra (Altagarran Mountain)	Londonderry C.B.C.	5	1 0	1230	...	(45·20)	...	...
M	Dungiven (Labbyheige)	Londonderry C.B.C.	5	1 0	1150	...	46·69	...	...
M	Altnaheglish (Altabrogy Burn)	Londonderry C.B.C.	5	1 0	967	...	42·30	...	...
M	Glenedra Intake	Londonderry C.B.C.	5	1 0	740	...	43·79	...	...
M	Altnaheglish (Glack Burn)	Londonderry C.B.C.	5	1 0	967	...	42·58	...	...
D	Dungiven (Banagher Filters)	Londonderry C.B.C.	5	1 0	373	...	39·18	238	165
D	Dungiven (Grianan)	A. E. Bunn, Esq.*	5	1 0	330	...	32·94	224	154
D	Londonderry (Creggan Reservoir)	City Surveyor	5	1 0	325	41·8	37·64	234	170
D	Limavady (Drenagh)	Lt.-Col. C. R. McCausland	5	1 6	80	37·0	30·33	207	166
	TYRONE. (Area, 1,257 sq. mi.)								
	1.—ERNE. 46 sq. mi.								
	2.—BANN. Lough Neagh, East. 442 sq. mi.								
D	Dungannon (Aloha)	Major R. Stevenson	5	1 0	275	*37·2*	30·73	200	150
D	Castlecaulfield (Parkanaur)	Major Y. A. Burges	8	0 6	250	...	28·22	192	140
D	Cookstown (Loughery Agric. College)	J. A. Young, Esq.*	5	1 0	208	...	30·53	193	136
	3.—FOYLE. 769 sq. mi.								
D	Omagh (Edenfel)	Mrs. F. M. Hammond Smith	8	1 0	280	40·1	35·61	232	172
D	Newtown Stewart (Baronscourt)	Estate Manager	5	1 0	250	...	31·58	225	178
d	Gortin (Beltrim School)	H. C. Willis, Esq.*	5	1 0	393	...	38·64	202	172
D	Sion Mills (Sion House)	Capt. J. C. Herdman	5	1 0	100	39·1	37·73	196	175

* *Per* Govt. of Northern Ireland.

‖ Gauge over-exposed on moor.

BRITISH RAINFALL, 1953

PART III

Heaviest rainfall in 10, 20, 30, 60, 90, and 120 minutes on record for each county of the United Kingdom

by J. GRINDLEY, B.A.

Falls of exceptional intensity have been noted in *British Rainfall* since the earliest publications, but at first there was no attempt to tabulate or discuss the data. In *British Rainfall*, 1872, G. J. Symons attempted a classification of "torrential rains" into ordinary cases and extreme cases and in 1874 prepared a diagram on which a lower limit was marked to exclude falls not considered worthy of insertion in the Table of Heavy Falls in Short Periods. Several revisions of the lower limit and diagram followed until, in 1908, H. R. Mill prepared a revised diagram showing 3 categories of intense falls, viz., "noteworthy", "remarkable" and "very rare". In 1935 a new classification was made (described in *British Rainfall*, 1935, p. 262) which for the first time had a statistical basis. The 1908 noteworthy, remarkable and very rare categories were retained, but the lower limit of the noteworthy curve was raised slightly for durations of 45 minutes or less and lowered slightly for durations of 55 minutes or more. Revision of the lower limits of the other two categories was more extensive particularly for falls of short duration. The 1935 classification has been used in all volumes of *British Rainfall* from 1936 to the present time.

A list has now been prepared of all intense falls of two hours' duration or less which attained the category noteworthy or higher according to the 1935 classification. This means that several falls of 45 minutes duration or less which were classified as noteworthy prior to 1936 have been excluded, and that possibly some falls of 60 minutes duration or more which would have qualified for inclusion according to the 1935 classification may have been lost. No fall of less than 5 minutes duration has been included unless, of course, the amount qualifies as a noteworthy fall at durations of 5 minutes or more.

The falls were then tabulated on a county basis and the table on the following pages shows the heaviest falls which have occurred in 10 minutes or less, 20 minutes or less, 30 minutes or less, 60 minutes or less and 120 minutes or less together with the dates on which the falls occurred. The first two figures have been omitted from the year of the date since it is clear whether the fall occurred in the 19th or 20th century. In order to avoid the repetition of the date this is shown only for the largest fall in the longest time and is omitted in the columns to the left referring to falls in shorter times. A bracketed fall indicates that the amount has been interpolated from a fall of longer duration on the assumption that the rate of fall remained constant throughout the longer period. This, of course, will rarely, if ever, be the case and a bracketed fall must be regarded as the smallest amount qualifying as noteworthy that could have occurred in the stated time. Reference needs also to be made to entries of the same amounts in various columns. In these cases clearly the reading refers to the shorter time, but the amount is still the largest on record for

the longer times and these entries of amounts are not bracketed.

In some of the more sparsely inhabited counties where opportunities for observation are naturally fewer, there is no record of a heavy fall in some of the time categories (particularly in the shorter times) and in seven counties, viz., West Lothian, Buteshire, Kinross-shire, Sutherland, Orkney, Shetland and Co. Fermanagh there are no records of falls attaining the level noteworthy or higher (according to the 1935 classification).

Over the whole of the United Kingdom, the heaviest fall in 10 minutes or less occurred at Chagford in Devonshire when 1·30 inches fell in 10 minutes on September 23, 1927; the heaviest fall in 20 minutes occurred at Harbledown in Kent when 2·12 inches fell on August 7, 1875; the heaviest fall in 30 minutes occurred at Eskdalemuir Observatory, Dumfriesshire when 3·15 inches fell on June 26, 1953; the heaviest fall in 60 minutes occurred at Maidenhead, Berkshire when 3·63 inches fell on July 12, 1901. The duration of this fall was said by the observer to be about an hour. The heaviest fall in 90 minutes was not less than 4·10 inches. This occurred at West Wickham, Kent, when 4·55 inches fell in 100 minutes on July 22, 1934. The heaviest fall in 120 minutes occurred at Churchstoke, Montgomeryshire where 4·80 inches fell on June 26, 1895.

Maximum Rainfall recorded in stated time or less 1860–1953

	10 min.	Date	20 min.	Date	30 min.	Date	60 min.	Date	90 min.	Date	120 min.	Date
	in.		in.		in.		in.		in.		in.	
Division I												
London	(·83)		1·50	11.7.27	2·07	17.7.18	(2·68)		3·35		3·35	11.7.27
Division II												
Surrey	(1·12)	19.5.52	1·46	2.8.06	2·00	10.9.02	3·50	30.5.03	4·00	16.7.47	4·07	22.7.24
Kent	(1·06)		2·12		2·12	7.8.75	(2·81)		(4·10)		4·55	22.7.34
Sussex	(·78)	22.7.24	(1·18)		(1·77)		3·25		3·25		3·25	29.7.01
Hampshire ..	(1·00)		(2·00)		2·50	24.6.33	3·00	26.5.11	3·21	19.7.03	3·25	23.7.99
Berkshire	(·61)		(1·21)		(1·81)		3·63		3·63		3·63	12.7.01
Division III												
Middlesex ..	(·93)		1·40	13.8.37	2·00	6.8.52	2·44	9.7.05*	3·32		3·32	23.8.47
Hertfordshire ..	(·71)		1·14	16.7.00	1·50	21.6.36	(2·40)		2·80		2·80	6.8.52
Buckinghamshire	(·70)		1·40		1·40	24.6.97	(2·12)		(3·18)		3·54	13.7.41
Oxfordshire ..	(·81)		1·63		1·63	21.5.50	(2·68)	4.7.15	(3·00)		3·50	18.7.47
Northamptonshire	(·67)	12.7.85	1·18	12.8.38	1·63	15.8.99	2·47		2·47		2·47	3.7.93
Huntingdonshire			(·84)		(1·27)		1·90	4.7.84	2·80		2·80	17.6.13
Bedfordshire ..	(·83)		1·65		1·65	24.6.97	(2·71)		3·16		3·16	12.7.89
Cambridgeshire ..	1·10		1·30	30.5.02	1·59	27.6.47	(2·29)		(3·43)		4·00	15.7.49
Division IV												
Essex	·85	18.6.17	1·37	24.6.97	(1·86)		2·79	25.5.20	(2·93)		3·90	26.7.41
Suffolk	(·68)		(1·37)		2·05	2.7.46	2·95		2·95	21.7.97	3·36	1.7.02
Norfolk	·64	2.7.46	(1·00)		1·50	15.7.23	2·11	18.6.30	(2·78)		3·09	30.7.88
Division V												
Wiltshire	1·25	15.9.34	1·25	6.7.65	(1·63)		2·71	26.6.95	(3·23)		4·31	26.9.33
Dorset	·55	1.6.31	1·02	21.8.04	(1·28)		2·56	22.7.99	(2·96)		3·94	8.8.48
Devonshire ..	1·30	23.9.27	(1·48)	30.6.79	1·81		2·71	4.8.38	2·75		2·75	20.7.97
Cornwall	(·67)	29.7.11	1·00	5.9.86	(1·49)		2·98		2·98		2·98	29.6.36
Somerset	(·69)		1·38	27.9.41	1·90	1.7.82	2·75	21.6.33	(2·81)		3·75	16.7.92
Division VI												
Gloucestershire ..	(·65)		(1·30)		1·95	29.6.36	2·26		2·26	28.7.11	2·31	29.8.42
Herefordshire ..	·90		·90	21.7.75	1·35	5.6.35	1·84	8.9.78	(2·56)		2·99	31.5.24
Shropshire ..	(·59)		1·00	4.7.15	1·10	11.6.79	(1·55)		(2·32)		3·10	1.7.14
Staffordshire ..	(·83)	3.5.82	1·24		(1·85)	14.6.31	2·53	18.7.03	(2·64)		2·94	11.7.27
Worcestershire ..	(·93)		1·86		1·86	20.8.32	2·75		2·75		2·75	26.6.95
Warwickshire ..	(·90)		(1·80)		2·25	18.7.34	(3·36)		3·64		3·64	13.7.89
Division VII												
Leicestershire ..	·85		(·85)	12.7.41	1·16	26.6.53	(1·75)		(2·63)		3·50	15.7.37
Rutland			(·97)		1·46	19.5.90	2·07		2·07		2·07	9.7.05
Lincolnshire ..	(1·25)		1·88	14.9.43	2·14	19.7.37	2·93	11.7.32	(3·08)		4·10	29.5.20
Nottinghamshire	(·82)		1·23	1.7.52	(1·73)	18.6.30	2·78		2·78		2·78	17.6.30
Derbyshire ..	1·00	22.7.12	(1·30)		1·75	9.8.84	2·20	12.7.12	2·55		2·55	29.5.44
Division VIII												
Cheshire	(·83)		1·65	15.7.45	1·73	1.7.52	2·58		2·58	25.7.86	3·05	29.5.44
Lancashire ..	1·25	10.8.93	1·72	26.6.53	(1·79)	10.8.93	2·50		2·50	26.7.72	2·66	18.6.30
Division IX												
Yorkshire W.R. ..	·90	16.7.47	(1·23)		1·84	25.4.30	(3·00)		3·75		3·75	12.7.00
Yorkshire E.R. ..	(·67)		(1·33)		2·00	27.6.95	2·21		2·21		2·21	16.7.39
Yorkshire N.R. ..	(·85)		1·28	23.6.46	(1·46)	20.8.11	(2·46)		3·07	7.7.96	3·25	13.5.11
Division X												
Durham	·55	13.6.17	·80	23.8.25	(1·08)	22.8.49	(2·02)		2·62		2·62	18.8.35
Northumberland			(·88)		(1·32)		(2·64)		3·74		3·74	22.6.41
Cumberland ..	(·57)	6.7.94	·92	30.5.47	1·34	9.6.30	(1·83)		2·75		2·75	12.8.15
Westmorland ..	(·75)		1·50	21.7.14	(1·55)		2·84		2·84		2·84	26.6.53

Maximum Rainfall recorded in stated time or less 1860–1953—(*continued*)

	10 min.	Date	20 min.	Date	30 min.	Date	60 min.	Date	90 min.	Date	120 min.	Date
	in.		in.		in.		in.		in.		in.	
Division XI												
Monmouthshire ..	(·74)		(1·47)		2·20	4.7.15	(2·37)		2·77	25.6.35	2·98	28.8.45
Glamorgan ..	(·97)		(1·93)		2·90		2·90		2·90	.	2·90	22.7.80
Carmarthenshire			(·81)		1·21	7.8.99	(1·67)		2·50	6.8.44	2·95	25.6.35
Pembrokeshire ..			*		(·96)		(1·91)		2·07		2·07	27.6.53
Cardiganshire ..			·75	23.6.35	(·87)		1·45	25.5.20	(1·75)		2·34	20.9.46
Brecknockshire ..			(·79)		(1·19)	5.10.41	2·25		2·25	21.8.32	2·35	5.10.41
Radnorshire ..			(·88)	20.7.39	(1·03)		(2·06)		2·75		2·75	22.9.49
Montgomeryshire	(·68)		1·02	29.5.20	(1·20)		(2·40)		(3·60)		4·80	26.6.95
Flintshire ..	(·67)		1·00		1·00	18.7.67	1·53		1·53		1·53	15.7.45
Denbighshire ..			(·92)		(1·37)		2·75		2·75	13.7.34	3·18	12.7.34
Merionethshire ..					(·85)		1·25	15.7.40	(1·81)		1·91	11.7.14
Caernarvonshire..			(·94)		1·18	26.5.81	(1·36)		1·75		1·75	23.6.35
Anglesey							·98	23.6.35				
Isle of Man ..							(1·02)		(1·12)		1·20	26.5.53
Division XII												
Wigtownshire ..	(·69)		1·03		1·03	5.8.51	1·79		1·79		1·79	16.9.37
Kirkcudbright ..			(·90)		(1·35)		2·71		2·71	1.6.09	3·20	2.7.00
Dumfriesshire ..	(1·05)		(2·10)		3·15		3·54		3·54		3·54	26.6.53
Roxburghshire ..					1·00	14.8.46	1·60	24.7.01	(2·09)		2·79	10.8.01
Division XIII												
Selkirkshire ..							1·14		(1·33)		1·77	10.8.01
Peeblesshire ..							1·52		1·52	23.7.16	2·00	12.8.90
Berwickshire ..	(·65)		1·31		1·31		1·31	9.7.31	(1·39)		1·85	12.8.48
East Lothian ..	·80	29.8.30	1·00	7.9.70	(1·10)		2·20	24.7.74	(2·25)		3·00	10.8.01
Midlothian ..	·80		·80	11.5.45	(1·13)		1·69		1·69		1·69	18.6.14
Division XIV												
Lanarkshire ..			(·74)		1·11	29.6.82	1·75	2.8.15	2·00	18.8.71	2·50	11.8.38
Ayrshire	(·61)		(1·22)		1·83	14.8.27	2·44		3·16		3·16	10.8.38
Renfrewshire ..			(·84)		1·26	26.6.53	(1·40)		1·87		1·87	5.8.12
Division XV												
Dunbartonshire ..									(1·10)		1·46	3.8.15
Stirlingshire ..	·65	4.9.36	·70	8.7.05	(·91)	9.6.28	1·40	14.7.31	1·50		1·50	24.8.10
Argyllshire ..	·67	5.6.51	·70	6.9.36	(·81)		(1·63)		2·44		2·44	20.6.24
Division XVI												
Clackmannanshire							1·05	27.8.39				
Fifeshire	·70	16.7.47	(·97)	28.8.30	1·35	18.8.02	1·50	10.7.27	(2·10)		2·81	25.7.09
Perthshire ..			(1·03)		1·50	26.7.15	(1·64)	10.6.10	(2·04)		2·72	23.6.35
Angus			1·00	6.8.26	1·01	30.8.46	(1·37)		(2·06)		2·75	28.5.40
Division XVII												
Kincardineshire ..			(·87)		(1·30)		2·60		2·60		2·60	28.7.73
Aberdeenshire ..			(·93)		(1·40)		2·10		2·10		2·10	2.8.70
Banffshire ..			1·03		1·03	10.6.40	(1·08)		(1·62)		2·16	7.7.80
Morayshire ..			·70	25.5.53	·82	13.6.26	1·25		1·25		1·25	15.8.36
Nairnshire ..					(·80)		1·60		1·60		1·60	24.6.74
Division XVIII												
Inverness-shire ..			(·91)		(1·37)		1·83		1·83		1·83	29.5.40
Ross and Cromarty			(·69)		·86	4.9.84	1·27	12.8.15	1·48		1·48	7.7.52
Division XIX												
Caithness ..							(1·48)		1·73		1·73	6.7.82

* ·67 in 15 minutes.

Maximum Rainfall recorded in stated time or less 1860–1953—(*continued*)

	10 min.	Date	20 min.	Date	30 min.	Date	60 min.	Date	90 min.	Date	120 min.	Date
	in.		in.		in.		in.		in.		in.	
Northern Ireland												
Armagh			(·68)		(1·01)		1·69		1·69		1·69	29.8.28
Down			·80	4.9.44	·87	25.6.35	1·34	2.7.80	1·50		1·50	10.8.01
Antrim			(·75)		(1·13)		(2·25)		2·81		2·81	3.9.39
Londonderry ..					(·86)	25.5.53	(1·33)		2·00	28.7.47	2·10	13.8.37
Tyrone					·95	13.8.82						
						Extreme values						
England	1·30		2·12		2·50		3·63		(4·10)		4·55	
Wales	(·97)		(1·93)		2·90		2·90		(3·60)		4·80	
Scotland	(1·05)		(2·10)		3·15		3·54		3·54		3·54	
Northern Ireland			·80		(1·13)		(2·25)		2·81		2·81	

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